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Tri-Party Agreement
Manager Milestone Review Meeting
June 24, 2008

U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

May 2008

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Agenda

Office of River Protection
Tri-Party Agreement
Manager Milestone Review Meeting
2440 Stevens Center, Conference Room 1200
June 24, 2008
9:00 a.m. – 11:30 a.m.

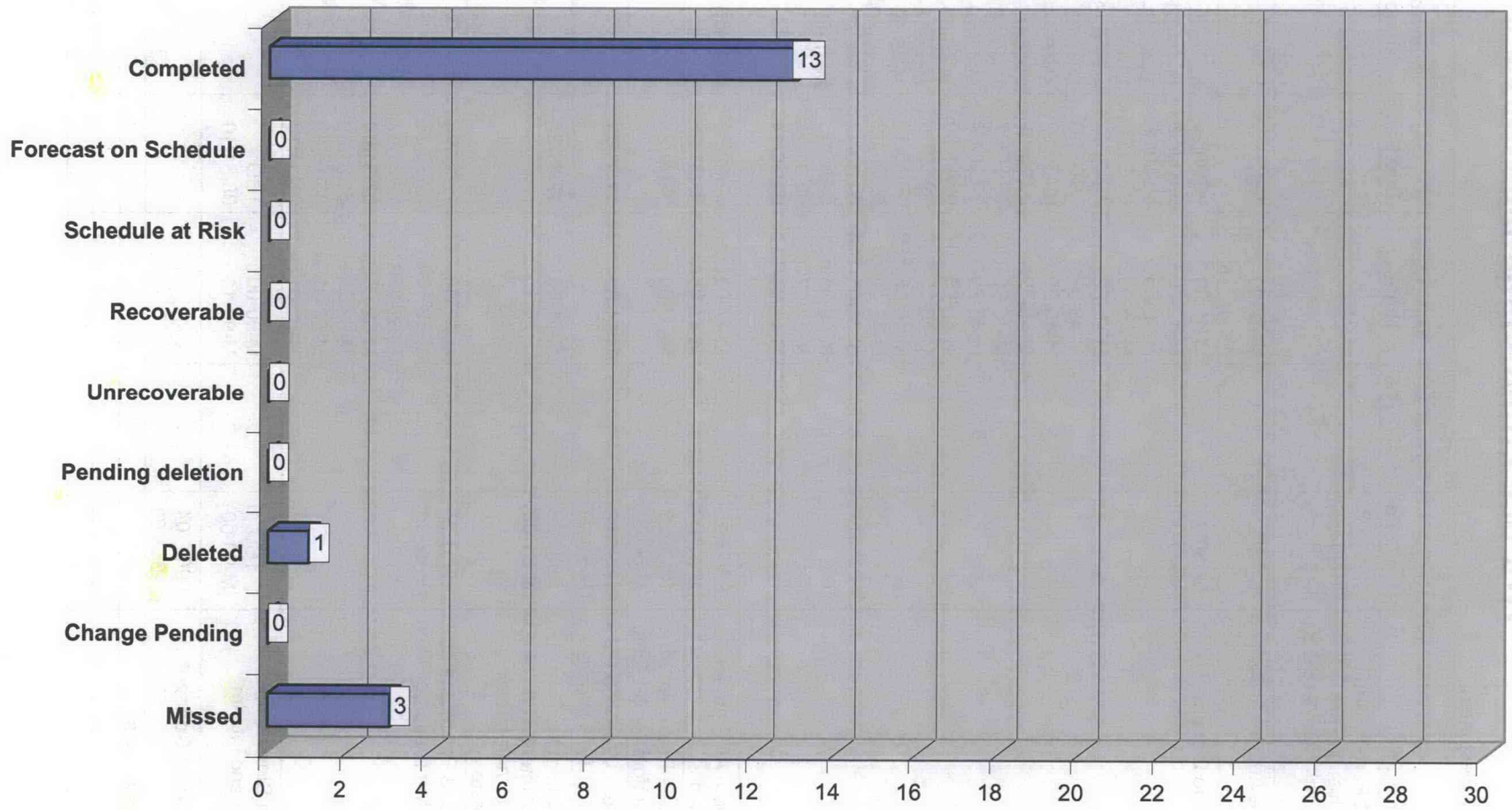
Page	Topic	Leads	Time
3	TPA Milestone Statistics	Woody Russell Suzanne Dahl /Jeff Lyon	9:00
47	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:05
49	M-45-00, Complete Closure of All Single-Shell Tank Farms	Roger Quintero / Jeff Lyon	9:20
59	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	9:40
60	In Tank Characterization and Summary	John Long / Michael Barnes	9:45
61	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Ben Harp / Les Fort	9:50
63	M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/ Disposal of ILAW and M-20, Part B Permits	Ben Harp / Bud Derrick	9:55
64	M-62-08, M-62-11 Bulk Vitrification/Supplemental Technologies	Ben Harp / Suzanne Dahl	10:00
	BREAK		
17	FY 2007 ORP TPA Cost & Schedule Performance (CHG)	Janet Diediker Suzanne Dahl /Jeff Lyon	10:10
66	BNI Cost & Schedule Performance and M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Bruce Nicoll / Pete Furlong / Wahed Abdul / Gary Olsen/ Suzanne Dahl	10:15

TPA Milestone Statistics

(Including target milestones)

Milestone	Due Date	Total Active as of 02/21/08	Milestone Number	Due Date	Milestone Number	Due Date
M-20-00, Submit Part B Permit Application on Closure/Post Closure Plans for all RCRA TSD Units	12/31/08 (M-20-00)	0				
M-42-00, Provide Additional DST Capacity	TBD	1	M-42-00	TBD		
M-45-00, Complete Closure of all SST Farms	09/30/24 (M-45-00)	35	M-45-00 M-45-00B M-45-00C M-45-00D M-45-02 M-45-02O M-45-05 M-45-05A M-45-05-T05 M-45-05-T06 M-45-05-T07 M-45-05-T08 M-45-05-T09 M-45-02P M-45-05-T10 M-45-05-T11 M-45-02Q M-45-05-T12	09/30/24 09/30/06 09/30/06 01/31/08 TBD 03/01/10 09/30/18 03/31/07 09/30/07 09/30/08 09/30/09 09/30/10 09/30/11 03/01/12 09/30/12 09/30/13 03/01/14 09/30/14	M-45-05-T13 M-45-02R M-45-05-T14 M-45-05-T15 M45-02S M-45-06 M-45-06-T03 M-45-06-T04 M-45-13 M-45-15 M-45-56 M-45-58 M-45-59 M-45-60 M-45-61 M-45-62	09/30/15 03/01/16 09/30/16 09/30/17 03/01/18 09/30/24 03/31/12 03/31/14 06/30/11 06/30/11 TBD 12/31/08 TBD 12/31/08 12/31/10 07/31/12
M-47-00, Complete All Work for Phase 1 Operations	02/28/18 (M-47-00)	3	M-47-00 M-47-03A	02/28/18 03/31/09	M-47-06	06/30/10
M-50-00, Complete Pretreatment Processing of Hanford Tank Waste	12/31/28 (M-50-00)	1	M-50-00	12/31/28		
M-51-00, Complete Vitrification of Hanford High Level Tank Waste	12/31/28 (M-51-00)	1	M-51-00	12/31/28		
M-61-00* (alternate path), Complete Pretreatment & Immobilization of Hanford Low Activity Tank Waste	12/31/28 (M-61-00)	1	M-61-00	12/31/28		
M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	12/31/28 (M-62-00)	14	M-62-00 M-62-00A M-62-07B M-62-01Q M-62-01R M-62-01S M-62-01T	12/31/28 02/28/18 12/31/07 07/31/08 01/31/09 07/31/09 01/31/10	M-62-08 M-62-09 M-62-01U M-62-01V M-62-10 M-62-01W M-62-11	06/30/06 02/28/09 07/31/10 01/31/11 01/31/11 07/31/11 06/30/07
M-90-00, Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD (M-90-00)	2	M-90-00 M-90-11	TBD 08/31/10		
Interim Stabilization Consent Decree	09/30/04 (D-001-00)	1	D-001-00			
Total Active Milestones:		**59**				

FY 2006 MILESTONE PERFORMANCE



Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R26	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	10/31/05	10/31/05								
M-048-07A-A	Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service by October 31, 2005. This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-A.	10/31/05	10/31/05								
M-046-21	Complete Implementation Of Double Shell Tank Space Optimization Study Recommendations (Tank Space Options Report Document No. RPP-7702, April 12, 2001).	12/31/05	12/15/05								
M-062-01L	Submit Semi-Annual Project Compliance Report	01/31/06	01/31/06								
M-045-02M	Submit biennial update to SST retrieval sequence document (agreement Appendix I. Section 2.1.2), double shell tank space evaluation document and Ecology concurrence of additional tank acquisition.	3/1/06	3/13/06								

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-048-07A-B	Completion of construction for the 241-AP-106A central pump pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary. This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-B	3/31/06	3/30/06								
M-048-14	Submit Written Integrity Report For The Double-Shell Tank System	3/31/06	3/31/06								
M-047-05A	Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial low-activity waste feed tank (other than AZ-101 or AZ-102).	4/30/06	02/2/05								
M-45-55-T04	Submit to Ecology for review and comment a draft Field Investigation Report combining the results of field investigations and analysis for WMAs A-AX, C and U. As part of the Phase 2 Vadose Zone project renegotiations, being developed, this target milestone scope has be included in M-45-55 Phase 1 rollup documentation due in 1/08.	4/30/06								X	
M-048-07A	Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 1) Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service [see M 45-07A-A]; 2) Complete construction of AP-106A Central Pump upgrade [M 48-07A-B]; and 3) complete	06/30/06	06/28/06								

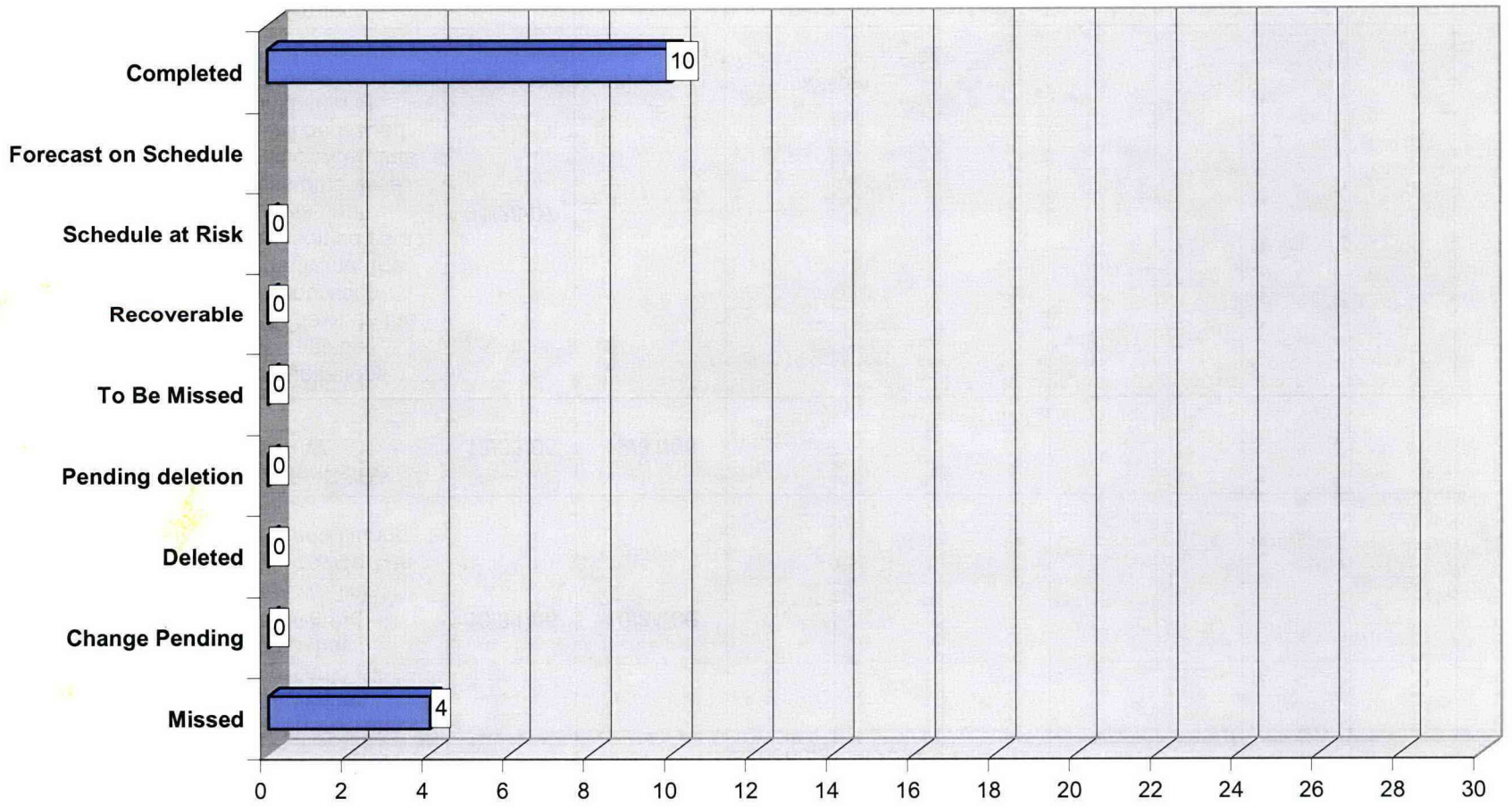
Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	construction of SY-B Valve Pit upgrade [see M 48-07A-C].										
M-048-07A-C	Completion of construction for the 241-SY-B valve pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary). This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-C.	06/30/06	06/08/06								
M-048-07B	The Disposition of all Double-Shell Tank Transfer System Components that will not remain in use beyond June 30, 2005.	06/30/06	6/27/06								
M-062-08	Submittal Of Hanford Tank Waste Supplemental Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline, And Draft Negotiations Agreement In Principle (AIP).	06/3/06						X			
M-045-56B	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/01/06	09/05/06								
M-062-01M	Submit Semi-Annual Project Compliance Report	07/31/06	07/31/06								
M-045-00B	Complete specified "near term" SST waste retrieval and interim closure activities, to result in the retrieval of all tank wastes in WMA-C SSTs pursuant to the agreement criteria in milestone M-45-00.	09/30/06						X			

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
M-045-00C	Initiate negotiation of SST waste retrieval and closure activities and associated schedules (for the period February 07 through August 08).	09/30/06						X			

FY 2007 MILESTONE PERFORMANCE



Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R30	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	10/31/06	10/31/06								
M-062-03	Submit DOE Petition for RCRA Delisting of Vitrified HLW	12/31/06	12/31/06								
M-045-00C-A	Ecology and DOE negotiations under this milestone shall be completed within 120 days. In the event the parties do not reach agreement within timeframe, the negotiations will be resolved as a resolution of dispute via final determination. Unless otherwise agreed by Ecology and DOE, this final determination will be issued within 150 days of initiation of negotiations.	01/28/07						X			
M-062-01N	Submit Semi-Annual Project Compliance Report	01/31/07	01/31/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

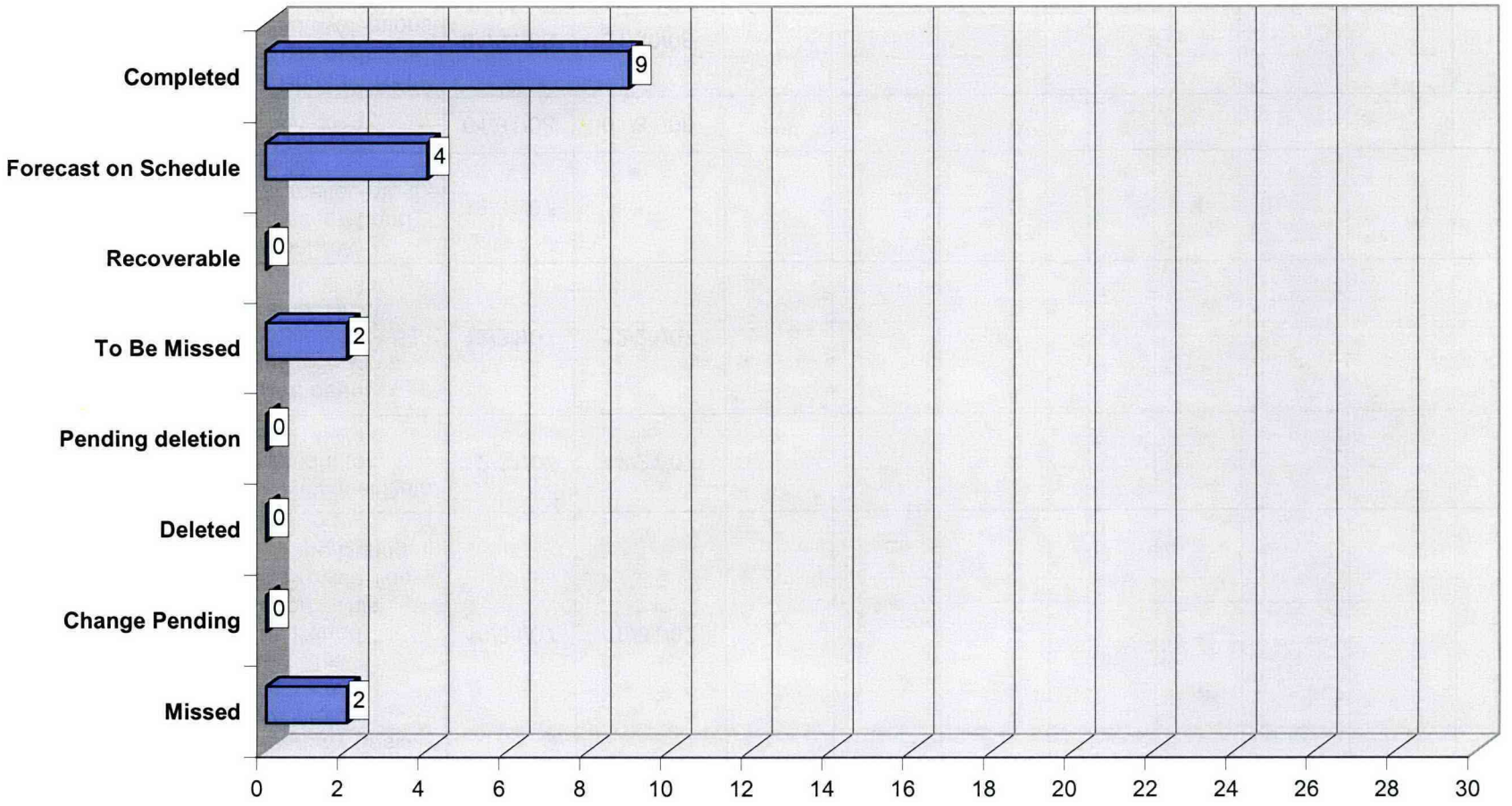
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R31	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	01/31/07	01/31/07								
M-045-05A	Complete Waste Retrieval from S-102	3/31/07						X			
D-001-00-R32	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	04/30/07	04/27/07								
M-062-11	Submit a Final Hanford Tank Waste Treatment Baseline. Following completion of negotiations required by M-62-08, DOE will modify its draft baseline as required and submit its revised, agreed-to baseline for treating all Hanford Tank Waste (HLW, LAW, and TRU) by 12/31/2028.	06/30/07						X			
M-045-56C	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of	07/31/07	07/31/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	information, and the need for the establishment of additional agreement interim measures.										
D-001-00-R33	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	07/31/07	07/30/07								
M-062-01O	Submit Semi-Annual Project Compliance Report	07/31/07	07/31/07								
M-048-15	Submit a report to Ecology for the re-examination of six (6) DSTs by ultrasonic testing in all areas previously examined to provide comparative data from which to calculate corrosion rates in each of the six DSTs examined.	09/30/07	09/27/07								
M-045-05-T05	Initiate tank retrieval from five additional Single-Shell tanks.	09/30/07						X			
M-048-00	Complete Tank Integrity Assessment activities for Hanford's Double Shell Tank (DST) system.	09/30/07	09/27/07								

*** Milestone has been completed by ORP, Ecology has not yet concurred.**

FY 2008 MILESTONE PERFORMANCE



Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recover able	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R34	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	10/31/07	10/31/07								
M-045-13-A	Submit to Ecology a Retrieval Data Report for S-112 pursuant to Agreement Appendix I	12/31/07	12/21/07								
M-045-13-B	Remaining waste have been adequately characterized, and a risk assessment completed for S-112 residuals that remain in the tank	12/31/07	12/21/07								
M-062-07B	Complete Assembly of LAW Vitrification Facility melter #1 and complete move of #1 melter into the HLW Vitrification Facility	12/31/07						X			
M-062-01P	Submit Semi-Annual Project Compliance Report	01/31/08	01/31/08								
M-045-55	Submit to Ecology a Phase 1 RFI report integrating results of data gathering activities and evaluations for all SST WMAs	01/31/08	01/30/08								
D-001-00-R35	DOE shall, on a quarterly basis, submit to Ecology a written report documenting tank stabilization activities that occurred during the	01/31/08	01/31/08								

Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recover able	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	period covered by the report. This written report shall provide the status of progress made during the reporting period.										
M-045-00D	Initiate negotiations of SST waste retrieval and closure for 2008-2013	01/31/08						X			
M-045-02N	Submit Biennial Update	03/01/08	02/29/08								
M-045-02N-A	Three Parties shall meet to establish new milestones within 60 days, if required, for acquisition of additional tanks	06/02/08		X							
D-001-00-R36	DOE shall, on a quarterly basis, submit to ecology a written report documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.	04/30/08	04/30/08								
M-045-00D-A	Negotiations shall be complete within 150 days	06/29/08					X				
M-045-56D	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/01/08		X							
D-001-00-R37	DOE shall, on a quarterly basis, submit to ecology a written report	07/31/08		X							

Fiscal Year 2008 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Will Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	documenting tank stabilization activities that occurred during the period covered by the report. This written report shall provide the status of progress made during the reporting period.										
M-062-01Q	Submit Semi-Annual Project Compliance Report	07/31/08		X							
M-090-10	Ready to accept placement of ILAW in ILAW Disposal Facility	08/31/08	02/13/07								
M-45-05-T06	Initiate tank retrieval from five additional SSTs	09/30/08					X				

EXECUTIVE SUMMARY

On

Tank Farms Earned Value Reporting

The Executive Summary reports the cost and schedule performance for the Tank Farms Contractor (TFC), CH2M HILL Hanford Group, Inc. for the month of April 2008.

The company's current month (CM) schedule variance (SV) was a positive SV of $3.7M, which increased the cost-to-date (CTD) favorable SV from $51.5M to $56.5M (SPI 1.08). The CM cost variance (CV) was a negative -$0.2M, which decreased the CTD CV from $44.5M to $44.0M (CPI 1.06).

The CM favorable SV of $3.7M is due to 1) Baseline change implementation (CM point adjustments for required re-planning and scope additions, deferrals and deletions related to DST Infrastructure Upgrades, the 244-CR Vault and the HIHTL Disposition Project); 2) Accelerated work performed for Tank C-104 and C-110 Retrieval (design, procurement and construction), C Farm Infrastructure (design and construction to support Tank C-104/AN-101 Retrieval), and DST to DST Transfers (two performed in April 2008 to support future Evaporator campaigns and AZ-102 blending); and 3) Work performed ahead of schedule for Tank Chemistry Control (Tank AN-102 Corrosion Probe System installation).

The favorable CM SV is partially offset by unfavorable variances related to 1) 242-A Evaporator Operation and Maintenance (budget in April 2008 for campaign [08-01] that was completed early); 2) 242-A Evaporator Upgrades (MCS Upgrade due to software changes and testing); 3) Vadose RCRA Corrective Actions (budget in the current month for work completed early; CTD the work is ahead of schedule); and 4) S-102 Retrieval (operations and maintenance shut-down pending spill recovery and cleanup actions).

The CTD positive SV of $56.5M is due to 1) C-100 Tanks accelerated work on C-104 and C-110 retrievals, C Farm Infrastructure and work completed ahead of schedule for C-108 and C-109 retrievals; 2) Low-Activity Waste (LAW) Treatment accelerated work for DBVS Technology Development and Design to address External Review Panel (ERP) issues including the Integrated Dryer and Melt Test (IDMT); 3) Tank S-102 Retrieval accelerated work; 4) W-314 Project accelerated work for completion and turnover of AN, AP, AW, SY Farms electrical and ventilation exhauster upgrades, and the Master Pump Shutdown(MPS)/MCS; 5) Base Operations accelerated work for cross-site transfers, the SY Farm prefabricated pump pit (PPP) line replacement, and DST to DST Transfers as well as work completed ahead of schedule for the 242-A Evaporator Upgrades (MCS and supply side HVAC), all in support of SST retrievals; and 6) Accelerated work for AY/AZ Farm Upgrades (AZ-102 pump replacement and installation).

These favorable CTD SVs are partially offset by unfavorable variances for 1) Delays in the Liquid Mitigation of Catch Tanks/Double Contained Receiver Tanks (DCRTs) (S-302; due to required alternate pump replacements; work is expected to be completed this fiscal year) and HIHTL Disposition Project (availability of engineering and craft support for investigative field work); 2) Delay in buoyant displacement gas release event [BDGRE] work which is not needed due to delay in Tank C-110 Retrieval; 3) Behind schedule on the AP-101 jumper installation and AP-103 in-process leak check/level rise [potential deferral]), DST Infrastructure Upgrades (delays in the Repair of Line SLL-3160, specifically initiating work on SL-3160 encasement leak check [low priority, potential deferral]) and delays in DST Valve Assembly Upgrades (AN-01A Valve Funnel Assembly Replacement behind schedule).

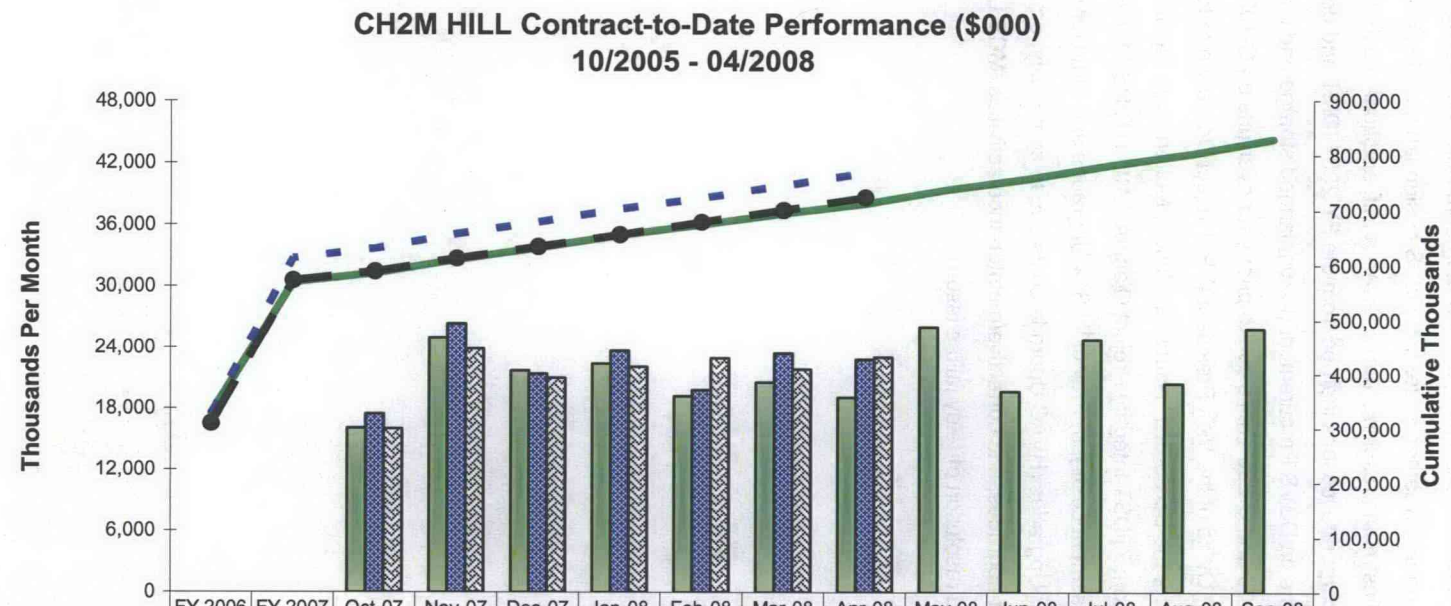
The CM CV of -$0.2M is driven by 1) C-104 Construction (unplanned costs to train a second construction crew), C-104 Design and Engineering (unplanned costs for design review changes due to additional requirements); and C-109 Retrieval Hard Heel Removal (overtime associated with installation of the MRT); 2) Unplanned costs for S-102 leak event cleanup and investigation and Tank S-102 Retrieval (engineering analysis and alternative evaluation for retrieval path forward); 3) Evaporator Upgrades (HVAC Upgrade costs due to complexity, emergent work, accelerated schedule and concurrent facility project upgrades, and corrective/maintenance activities; MCS Upgrade costs for engineering to develop software documentation and resolution of relay failure issue); 4) 242-A Evaporator Operations and Maintenance (overtime support to the projects during electrical outage for the MCS Upgrade OAT and HVAC Upgrade, and higher than expected crane and rigging costs); 5) AY/AZ Upgrades Project (costs lagged performance for the AZ-102 supernate pump installation); 6) T Farm Interim Surface Barrier costs associated with demobilization and stabilization/rock fill; 7) DBVS Technology Development (final subcontractor costs for the Integrated Dryer/38D Melt Testing previously completed) ; 8) Unplanned costs for 3109 Building move, 2440 Building move and respective renovations of each; and 9) W-314 AW Upgrades (emergent construction and testing activities, overtime, HAZOP evaluations and engineering to update project and facility documents for the AW exhausters) and Phase 2 Startup, Testing and Turnover (trouble-shooting and resolution of issues, rework and software upgrades and downloads).

The unfavorable CM CVs are offset by favorable variances for 1) lower than planned allocation from Fluor Hanford (FH) for Site-Wide and Shared Services and favorable labor Liquidation (more employees worked for others than planned); cost efficiencies in Information Resource Management (IRM), Travel and Computer, TFC Executive Management and Legal Counsel; 2) DST Infrastructure Upgrades and 244-CR Vault due to CM point adjustments for implementation of BCRs RPP-08-001 and 005; 3) Efficiencies on DST to DST Transfers (minimization of overtime by use of shift personnel and same planning package for back-to-back transfers); 4) Less labor than planned in DST and SST Essential Services; and 5) Lower than planned ATL costs for sample analysis

The CTD CV of $44.0M is due to variances for 1) Efficiencies in preparation and retrieval work for C-109, C-108, C-110, S-102 and S-112; 2) Cost savings and efficiencies in Tank Farm project and program management and Essential Services (IRM, Executive Management, Legal Counsel, Work Force Realignment and Restructure, Manage Facilities and Property Services, Liquidations, Shared Services, Miscellaneous Services and Site-Wide Services); 3) WFO savings and efficiencies in Surveillance and Monitoring, Isolation of Transfer System Components, DST to DST Transfers, Essential Services, AY/AZ Upgrades (use of spare pump for AZ-102 replacement instead of new procurement), Cross-Site Transfers, and Tank Waste Database Management; 4) Efficiencies in the Essential Services Infrastructure, Facility Upgrades Project Management and Liquid Level and Video Assessment; 5) 222-S Laboratory Services under-runs due to less than planned dedicated and matrixed staff, planned labor rates greater than actual costs, and revised waste volume projections less than originally planned; and under-runs in Tank Sampling due to greater than planned resources directed to support FH core sampling of U-361 and less than planned sampling/analysis (core and grab) for chemistry control due to ongoing support to Retrieval and Base Operations; and 6) Labor efficiencies and cost savings in other support functions including Safety, Health and Quality Assurance (SH&QA) (Industrial Health and Safety, Assessments, Quality Assurance [QA], Radiation Protection and Price-Anderson Amendment Act of 1988), SP&PC (Baseline Integration, Infrastructure Services, and Strategic Planning), SWE/Personnel Readiness (Standards and Compliance), and Engineering.

These favorable CTD CVs are partially offset by unfavorable variances for 1) SST and WFO TSR/Basic Maintenance (to reduce and maintain the PM and CM backlog and support acceleration of retrievals); 2) Unplanned costs for the S-102 spill event cleanup, investigation and corrective action plan; 3) T Farm Interim Barrier costs higher than baseline estimates (design, procurement, construction scope and weather issues); 4) DBVS design labor and subcontract costs incurred in FY 2006, retroactive subcontractor rate adjustments resulting from a DCAA audit, additional costs for final design and review costs to modify the facility design to incorporate lessons learned from the FY 2007 IDMT and design changes identified in the PRHOA sessions), and cost overruns on DBVS Procurement (for unplanned storage and maintenance of equipment awaiting restart of construction); 5) C-100 and C-200 Tanks due to prior year overruns on C-103 and C-201 to C-204 retrievals due to technical difficulties; 6) Office of the Vice President (VP) Project Delivery due to additional resources necessary to manage unplanned work for the DBVS ERP issues resolution, Molten Ionic Salt issue resolution, the IDMT and a cost correction for exhauster fabrication; 7) DST Integrity Project (Tank AY-101 UT, DST System Structural Analysis and AP Valve Pit/Evaporator Integrity Assessment costs); 8) Project W-314 Upgrades and turnover (trouble-shooting, as-builting and emergent work); and 9) Evaporator Upgrades (HVAC Upgrade costs due to complexity, emergent work, accelerated schedule and concurrent facility project upgrades, and corrective/maintenance activities; MCS Upgrade costs for engineering to develop software documentation and resolution of relay failure issue).

CURRENT MONTH/CONTRACT-TO-DATE PERFORMANCE – GRAPH



	FY 2006	FY 2007	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	0	0	16,097	24,963	21,712	22,394	19,180	20,575	19,074	26,028	19,649	24,722	20,416	25,873
Mthly Perf (BCWP)	0	0	17,469	26,403	21,403	23,626	19,814	23,387	22,776					
Mthly Actuals (ACWP)	0	0	16,004	23,850	20,980	22,071	22,920	21,827	23,023					
CTD Plan (BCWS)	328,060	569,029	585,126	610,089	631,801	654,195	673,375	693,950	711,375	737,403	757,052	781,774	802,191	828,064
CTD Perf (BCWP)	326,127	613,344	630,813	657,216	678,619	702,245	722,058	745,446	767,877					
CTD Actuals (ACWP)	310,197	573,240	589,243	613,093	634,074	656,145	679,065	700,892	723,915					

Note: BCR RPP-08-005 "Realign FY2007-FY2009 HIHTL" caused an adjustment to FY07 BCWS and BCWP which resulted in the March CTD plus April CM to not match the CTD for April. A BCR revision is being implemented in May to make the appropriate current month point adjustment in May 2008.

CURRENT MONTH PERFORMANCE CHART

CH2M HILL Hanford Group, Inc.

CURRENT MONTH PERFORMANCE MEASUREMENT - 04/2008

BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

		Current Month						
		Budgeted Cost			Variance			
WBS	TITLE	Work Scheduled	Work Performed	Actual Cost Work Performed	Schedule	SV %	Cost	CV %
5.7	**BASE OPERATIONS - Excluding 5.07.02**	10,638.1	11,390.8	10,547.9	752.8	7.1%	843.0	7.4%
5.07.02	Env/TPA Milestone Achievement	1,140.4	1,434.1	1,242.4	293.7	25.8%	191.8	13.4%
	TOTAL BASE OPERATIONS	11,778.5	12,825.0	11,790.3	1,046.5	8.9%	1,034.7	8.1%
5.8	**RETRIEVE AND CLOSE - Excluding foll. WBS Elements**	0.0	8.9	2.0	8.9	8.9%	6.9	77.3%
5.08.02	WTP Feed Delivery Program	585.6	585.5	383.6	-0.2	0.0%	201.9	34.5%
5.08.03	DST Retrieval Program	0.0	0.0	6.6	0.0	0.0%	-6.6	-6.6%
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	0.0	107.3	424.7	107.3	107.3%	-317.3	-295.6%
5.08.04.02	Upgrade Transfer System (E-525)	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.08.05	Retrieval / Closure Program	2,655.7	3,878.2	3,626.2	1,222.4	46.0%	252.0	6.5%
5.08.06/.07	SST Retrieval East / West Area	780.8	2,122.9	3,539.3	1,342.1	171.9%	-1,416.5	-66.7%
5.08.12/.13	SST Closure	47.5	25.7	28.9	-21.8	-45.8%	-3.1	-12.2%
	TOTAL RETRIEVE AND CLOSE	4,069.6	6,728.5	8,011.3	2,658.9	65.3%	-1,282.8	-19.1%
5.9	**TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements**	895.7	843.7	613.4	-51.9	-5.8%	230.3	27.3%
5.09.02.02	TRU / LLW Packaging	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.09.02.03/.08	LAW Treatment	57.4	57.3	63.3	-0.1	-0.1%	-5.9	-10.3%
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	80.4	172.2	363.7	91.8	114.1%	-191.5	-111.2%
5.09.03.01	Integrated Disposal Facility	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.09.03.04	Initial IHLW Storage Facility (W-464)	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
	TOTAL TREAT AND DISPOSE WASTE	1,033.5	1,073.3	1,040.4	39.8	3.9%	32.9	3.1%
5.10	**ANALYTICAL/TECHNICAL SERVICES**	2,192.0	2,149.1	2,181.4	-42.8	-2.0%	-32.2	-1.5%
TFC TOTAL		**19,073.5**	**22,775.9**	**23,023.3**	**3,702.4**	**19.4%**	**-247.4**	**-1.1%**

CONTRACT-TO-DATE PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc.

CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2005 - 04/2008

BY WORK BREAKDOWN STRUCTURE

Dollars in Thousands

		Cumulative Contract-To-Date									
		Budgeted Cost		Actual Cost	Variance				Budget at Completion		Estimate at Completion
WBS	TITLE	Work Scheduled	Work Performed	Work Performed	Schedule	SV %	Cost	CV %	(BAC)*	Accelerated Scope**	(EAC)***
5.07	**BASE OPERATIONS - Excluding 5.07.02**	350,849.5	354,685.2	323,908.8	3,835.8	1.1%	30,776.4	8.7%	414,362.0	3,399.2	383,233.2
5.07.02	Env/TPA Milestone Achievement	44,625.7	47,667.2	46,334.0	3,041.5	6.8%	1,333.3	2.8%	50,727.1	5,776.9	54,494.5
	TOTAL BASE OPERATIONS	395,475.2	402,352.5	370,242.8	6,877.3	1.7%	32,109.7	8.0%	465,089.1	9,176.1	437,727.7
5.8	**RETRIEVE AND CLOSE - Excluding foll. WBS Elements**	0.0	292.2	216.9	292.2	292.2%	75.4	25.8%	0.0	298.1	221.4
5.08.02	WTP Feed Delivery Program	18,681.8	18,681.8	16,484.1	0.0	0.0%	2,197.7	11.8%	22,019.8	0.0	18,990.6
5.08.03	DST Retrieval Program	1,676.3	1,984.2	2,227.6	307.9	18.4%	-243.4	-12.3%	1,676.3	1,338.9	2,735.1
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	2,865.8	7,969.8	9,475.2	5,104.0	178.1%	-1,505.4	-18.9%	2,865.8	6,118.3	10,518.9
5.08.04.02	Upgrade Transfer System (E-525)	2,712.4	2,712.4	2,981.8	0.0	0.0%	-269.4	-9.9%	2,712.4	0.0	2,981.8
5.08.05	Retrieval / Closure Program	126,004.0	125,024.8	120,600.6	-979.2	-0.8%	4,424.2	3.5%	147,470.3	0.0	141,558.8
5.08.06/.07	SST Retrieval East / West Area	49,359.4	80,656.7	79,990.1	31,297.3	63.4%	666.6	0.8%	52,897.3	54,202.0	100,566.5
5.08.12/.13	SST Closure	977.0	955.2	958.5	-21.8	-2.2%	-3.3	-0.3%	1,453.3	0.0	1,157.2
	TOTAL RETRIEVE AND CLOSE	202,276.7	238,277.1	232,934.7	36,000.5	17.8%	5,342.4	2.2%	231,095.1	61,957.2	278,730.3
5.9	**TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements**	12,179.8	12,067.7	9,750.9	-112.1	-0.9%	2,316.8	19.2%	17,602.7	0.0	15,035.3
5.09.02.02	TRU / LLW Packaging	0.0	0.0	65.6	0.0	0.0%	-65.6	-65.6%	0.0	0.0	65.6
5.09.02.03/.08	LAW Treatment	1,823.0	1,823.0	1,760.7	0.0	0.0%	62.4	3.4%	2,150.2	0.0	2,184.8
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	28,231.4	42,050.9	45,623.2	13,819.5	49.0%	-3,572.3	-8.5%	28,231.4	13,841.7	45,819.0
5.09.03.01	Integrated Disposal Facility	7,132.9	7,132.9	5,351.5	0.0	0.0%	1,781.4	25.0%	7,132.9	0.0	5,351.5
5.09.03.04	Initial IHLW Storage Facility (W-464)	109.4	109.4	35.1	0.0	0.0%	74.3	67.9%	109.4	0.0	35.1
	TOTAL TREAT AND DISPOSE WASTE	49,476.5	63,183.9	62,586.9	13,707.4	27.7%	597.0	0.9%	55,226.6	13,841.7	68,491.3
5.10	**ANALYTICAL/TECHNICAL SERVICES**	64,146.2	64,063.8	58,150.9	-82.5	-0.1%	5,912.9	9.2%	76,652.5	0.0	68,767.7
TFC TOTAL		**711,374.6**	**767,877.3**	**723,915.2**	**56,502.7**	**7.9%**	**43,962.0**	**5.7%**	**828,063.2**	**84,975.1**	**853,717.0**
					BAC					**828,063.2**	
					Adjusted Total with Accelerated Scope					**913,038.3**	

* BAC on this chart and in succeeding Cumulative Performance tables is for the period FY 2006 - FY 2008.

** The following accelerated work is included in the EAC and in the adjusted total: Tanks 241-C-104, 241-C-110, 241-S-102 Retrievals; W-314 and WFO Upgrades work; Cross-Site Transfer; and DBVS Technology Development.

*** EAC on this chart is for the contract period (through FY 2008).

EARNED VALUE PERFORMANCE

5.07 - BASE OPERATIONS (EXCLUDES 5.07.02)

Scope Description: The baseline scope for this Work Breakdown Structure (WBS) includes monitoring and maintaining the DSTs and equipment in compliance with TSRs, and Environmental, Safety, Health and Quality programmatic requirements. This scope also includes necessary support activities such as project management, engineering, business services, and support to training and procedures. Base Operations also provides site, shared, and miscellaneous services including Service Assessment Pool and Advanced Medical Services. In addition, the contract fee for FY 2006 is included.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	10,638.1	11,390.8	10,547.9	752.8 7.1%	843.0 7.4%	
CTD	350,849.5	354,685.2	323,908.8	3,835.8 1.1%	30,776.4 8.7%	414,362.0

Note (All tables): Dollars in thousands.

SCHEDULE VARIANCE

Description and Cause: The CM SV is within the reporting threshold of +/- 10 percent or $1.0M.

The CTD SV is due to 1) Accelerated work completed on AY/AZ Upgrades (AZ-102 supernate pump replacement required to support AZ-102 blending transfers) and characterization for vapors solutions (T and U Farms); and 2) Work completed early (ahead of schedule) on Evaporator Upgrades (MCS and supply side HVAC upgrades) and Tank Chemistry Control (AN-102 Corrosion Probe system).

These favorable variances are partially offset by unfavorable variances for 1) WFO Waste Compatibility Program (deferral of BDGRE work not needed due to delay in Tank C-110 Retrieval); 2) DST Infrastructure Upgrades due to delays in the Repair of Line SLL-3160, specifically initiating work on SL-3160 encasement leak check (low priority; FY07 activity will be deferred to FY09); delays in DST Valve Assembly Upgrades (AN-01A Valve Funnel Assembly Replacement behind schedule; crew delayed by safety concerns related to the splash guard and tent, weather conditions and other work package changes found to be required); and 3) AP Farm Upgrades (AP-101 jumper installation [behind schedule] and AP-103 in-process leak check/level rise [potential deferral to FY09]).

Impact: Re-prioritization of work has been addressed and re-planning of work addressed via change action or pending changes.

Corrective Action: The SV will continue for accelerated work and, in the short term, for work performed early. Completion of the Tank C-110 BDGRE work is expected to be deferred to FY09. The Repair of Line SLL-3160 will be deferred to FY09 as it is low priority work. BCR RPP-08-001 was implemented in April to address the change in scope for the DST valve replacement. The AN-01A Valve Funnel Assembly Replacement work is expected to be completed in May 2008 prior to the AN-101 to AN-106 decant transfer

in support of C Farm Retrieval operations. The AP Farm Upgrade AP-101 jumper installation will be completed in the Spring of 2008 as it is required prior to the AP-101 to AW-102 transfers which are pre-requisites for the second FY08 Evaporator campaign. The AP-103 in-process leak check is being evaluated for potential deferral to the out years.

COST VARIANCE

Description and Cause: The CM CV is within the reporting threshold of +/- 10 percent or $1.0M.

Significant contributors to the CTD favorable CV include efficiencies and cost savings in 1) Essential Services (FH allocation for General Site-Wide Services and Shared Services and Miscellaneous Services [AdvancedMed Hanford Services, Technical Library, DOE, Richland Operations Office service assessment pool Allocation, and miscellaneous services] and liquidation of Continuity of Service [COS] rates on labor [more employees worked for others than anticipated in the baseline]); 2) Ongoing efficiencies in Base Operations (WFO Safe Storage Surveillance and Monitoring, Tank Waste Sampling, WFO Essential Services, Industrial Health and Safety/Health and Safety Plan (HASP), Engineering Program, Assessments, QA Program, Nuclear Operations Program Management, WFO Facilities Operations Management, Price-Anderson Amendment Act of 1988 (PAAA) Program, WFO BU Training, WFO Waste Compatibility Program and Radiation Protection Program); 3) Ongoing efficiencies in Project Support (Standards and Compliance, IRM, TFC Executive Management, Legal Counsel, RPP Baseline Integration Support and Manage Facilities and Property Services); and 4) Other Mission Support efficiencies on AY/AZ Upgrades (use of spare pump for AZ-102 replacement instead of new procurement) and Work Force Realignment and Restructure (fewer employees impacted than anticipated by 2006 Involuntary Reduction of Force).

The favorable CTD variances are partially offset by 1) unfavorable Base Operations variances related to WFO TSR/Basic Maintenance (efforts to reduce and maintain the PM/CM backlog and support to Tank Retrieval acceleration including DST to DST Transfers and Cross-Site Transfer, electrical outages and cathodic protection); WFO Parts/Materials/Tools (fabrication costs for jumpers and parts, purchase of cameras, parts and materials for PMs/CMs, and materials to support additional DST to DST and Cross-Site Transfers); WFO Infrastructure (unplanned expenditures for 274 AW parking lot and unanticipated PHMC support charges), WFO Radiological Control Surveys (FY 2006 costs for additional surveillances/routines on overtime and additional laboratory costs incurred); and Environmental Health Program costs (vapors sampling support and Advanced Technologies and Laboratories International, Inc. (ATL) Readiness to Serve adder); 2) Unfavorable Project Support variances related to Procurement and Contracts costs (work performed on the Marshalling Yard and Connector Road Improvements), Labor Relations (subcontractor support to Hanford Atomic Metal Trades Council Contract negotiations and ratification), SWE (subcontracts); and 3) Unfavorable variances related to Other Mission Support Evaporator Upgrades (HVAC Upgrade costs due to complexity, emergent work, accelerated schedule and concurrent facility project upgrades, and corrective/maintenance activities; MCS Upgrade costs for engineering to develop software documentation and resolution of relay failure issue).

Impact: None.

Corrective Action: The favorable CVs are expected to continue for the ongoing level of effort Base Operations, Support and Essential Services accounts. The unfavorable CVs for completed work are not recoverable. Work has been reprioritized to meet mission objectives for the remainder of the Contract

period. BCR RPP-08-001, "Resolution of Double-Shell Tank Valve Positioning Issue", was implemented in April for re-planning of the work. BCR's are being prepared for as-found field conditions (242-A Evaporator Upgrades) and deferrals (to support the 2440/3109 Building moves and renovations, etc.).

5.07.02 - ENVIRONMENTAL/TRI-PARTY AGREEMENT MILESTONE ACHIEVEMENT

Scope Description: The baseline provides for the safe and compliant storage of the Hanford Site tank wastes until waste is retrieved for processing (currently 53 million gallons of waste in 177 SSTs and DSTs and approximately 60 miscellaneous underground storage tanks). This includes monitoring and maintaining activities associated with the Hanford Federal Facility Agreement and Consent Order, commonly referred to as the TPA. Scope includes compliance efforts to meet TPA Milestones M-23, M-46, and M-48, including characterization, DST Space Management and DST Integrity. Scope includes transfer operations, and the operations and maintenance of the 242-A Evaporator to reduce the volume of waste stored in DSTs.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	1,140.4	1,434.1	1,242.4	293.7 25.8%	191.8 13.4%	
CTD	44,625.7	47,667.2	46,334.0	3,041.5 6.8%	1,333.3 2.8%	50,727.1

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to 1) Accelerated DST to DST Transfers (two performed in April 2008 to support future Evaporator campaigns and AZ-102 blending); and 2) DST Integrity Project (progress on the DST System Structural Analysis).

The CTD favorable SV is due Accelerated work (planned outside the contract period in the baseline) completed for Cross-Site Transfers, the SY Pre-fabricated Pump Pit (PPP) Line Replacement and DST to DST Transfers (supports tank retrievals, Evaporator and tank level increases).

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable CV is due to 1) Efficiencies on DST to DST Transfers (minimization of overtime by use of shift personnel and same planning package for back-to-back transfers).

CM favorable variances are partially offset by unfavorable variance for 242-A Evaporator Operations and Maintenance (overtime support to the projects during electrical outage for the MCS Upgrade OAT and HVAC Upgrade, and higher than expected crane and rigging costs).

The CTD favorable CV is due to 1) Efficiencies on DST to DST Transfers (minimization of overtime by use of shift personnel and same planning package for back-to-back transfers); 2) Efficiencies on Cross-Site Transfers (labor); 3) Level of Effort (LOE) efficiencies on Environmental Support and Assessment Program; 4) Efficiencies on DST Facility Upgrades Project Management; and 5) Cost reductions on DST Space Evaluation (shift to higher priority work and reduction of staff).

The CTD favorable CVs are partially offset by unfavorable variances for 1) DST Integrity Project (increased cost for completed work on the AP Valve Pit Integrity Assessment, DST Infrastructure Integrity Assessment,

242-A Evaporator Integrity Assessment and Ultrasonic Examination, AY-101 UT Support, and miscellaneous associated IQRPE support to integrity assessment); 2) 242-A Evaporator Operations and Maintenance (increased overtime and regular labor to support additional [3x] PMs for the MCS Upgrade OAT, materials and contract support for the PB-1 pump refurbishment, Crane and rigging costs higher than expected and distributions for pensions and retroactive pay); 3) Catch Tank Pumping (isolation of Silver List Catch Tanks UX-302-A and ER-311); and 4) Increase Specific Gravity (FY06 overruns).

Impact: None.

Corrective Action: Cost overruns for completed work are not recoverable. Efficiencies are expected to continue on DST to DST Transfers. BCR RPP-08-024 was implemented in April for the new SST Integrity Project.

5.08 - RETRIEVE AND CLOSE (EXCLUDES 5.08.02/.03; 5.08.04.01/.02; 5.08.05/.06/.07/.12/.13)

Scope Description: In the future, specific life cycle scope in this WBS includes DST Retrieval and Closure, Closure of Long Term Facilities, and Post Closure Monitoring. These activities are all outside of the contract period reporting window. The scope also includes preparation of a 200-IS-1 Operable Unit Work Plan and Sampling and Analysis Plan as directed by the ORP.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	8.9	2.0	8.9 8.9%	6.9 77.3%	
CTD	0.0	292.2	216.9	292.2 292.2%	75.4 25.8%	0.0

SCHEDULE VARIANCE

Description and Cause: The CM SV is within the reporting threshold of +/-10 percent or $1.0M.

The CTD favorable SV is due to ORP directed acceleration of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 IS-1 work plans in support of the RL TPA M-15 Milestones.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is negligible.

The CTD favorable CV is due to cost savings in closure of old cross site transfer lines.

Impact: None.

Corrective Action: None required.

5.08.02 - WASTE TREATMENT PLANT FEED DELIVERY PROGRAM

Scope Description: The Waste Feed Delivery (WFD) program provides the minimum required technical analysis, waste characterization, and project definition activities necessary to provide waste to the WTP. The WFD program work activities include a variety of cross-cutting programmatic activities supporting WFD to the waste treatment facilities, including characterization, WFD engineering and modeling support including management and maintenance of the retrieval and transfer technical baseline, WFD program/project management support, and DST retrieval/transfer management. This work element will provide feed delivery evaluations using the HTWOS model.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	585.6	585.5	383.6	-0.2 0.0%	201.9 34.5%	
CTD	18,681.8	18,681.8	16,484.1	0.0 0.0%	2,197.7 11.8%	22,019.8

SCHEDULE VARIANCE

Description and Cause: The CM and CTD variances are within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM and CTD favorable CVs are due to ongoing cost efficiencies in 1) level of effort labor for WFO Project Controls (improved systems, organizational realignment and co-location to improve performance); 2) Tank Waste Database Support (staff reductions); and 3) Startup and Testing (use of direct staff instead of subcontracted labor and reduced material usage).

Favorable CTD CV partially offset by unfavorable CV for Office of VP Project Delivery (additional unplanned DBVS staff assigned to manage external review issue resolution and exhauster fabrication cost correction to support vapors).

Impact: None.

Corrective Action: None required.

5.08.03 - DST RETRIEVAL PROGRAM

Scope Description: The baseline for this WBS element includes activities required to plan, provide, and operate systems for retrieving waste from the DSTs, preparing it for feed to the WTP, and then transferring it to the WTP.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	6.6	0.0 0.0%	-6.6 -6.6%	
CTD	1,676.3	1,984.2	2,227.6	307.9 18.4%	-243.4 -12.3%	1,676.3

SCHEDULE VARIANCE

Description and Cause: The CM SV is within the reporting threshold of +/-10 percent or $1.0M.

The CTD favorable SV is due to acceleration of the Tank 241-AN-101 Retrieval Systems work (design, construction and startup) in support of Tank 241-C-104 Retrieval.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is within the reporting threshold of +/- 10 percent or $1.0M

The CTD unfavorable CV is due to previous cost overruns on the AN-101 mixer pump procurement which is partially offset by cost efficiencies on accelerated work for the AN-101 Retrieval System and level of effort Project Support to Construction of DST Retrieval Systems.

Impact: None.

Corrective Action: None required.

5.08.04.01 - PROJECT W-314 (TANK FARM RESTORATION AND SAFE OPERATIONS)

Scope Description: The baseline for Project W-314 provides essential tank farm infrastructure upgrades to support WFD to the WTP and to correct environmental compliance deficiencies with the tank farm support systems. Work scope includes completion of the Waste Transfer System, AN, AP, AW, and SY Farm electrical Upgrades, AN and AW HVAC Exhausters and the MPS System and MCS. Project Management, Project Support and Startup, Testing, Readiness and Turnover to Operations are also included.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	107.3	424.7	107.3 107.3%	-317.3 -295.6%	
CTD	2,865.8	7,969.8	9,475.2	5,104.0 178.1%	-1,505.4 -18.9%	2,865.8

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to acceleration of the Project W-314 AN and AW Farm Upgrades (HVAC exhausters) and Phase 2 Startup, Testing and Turnover.

The CTD favorable SV is due to the acceleration of Project W-314 work including all Farm electrical upgrades, the MPS/MCS, AN and AW HVAC Exhausters and Phases 1 and 2 Startup, Testing, Readiness, and Turnover.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to 1) cost overruns on the AW Farm Upgrades (emergent construction activities originating from walk downs, testing of the AW exhausters and HAZOP evaluations, overtime to maintain schedule and engineering to update project and facility documents); and 2) Startup, Testing and Turnover Phase 2 (trouble-shooting continuous air monitors (CAMs) and resolving communication issues found during testing of the AN Farm exhausters, rework of failed pressure transmitters and communication modules, and download of software upgrades for the AW exhausters).

The CTD unfavorable CV is due to 1) increased cost of the Phase 1 Startup, Testing and Turnover (MPS/MCS due to increased labor required for Engineering support to bring the system on-line, debugging of programming and test bed setup); 2) unfavorable variances on the AP Upgrades (construction and Engineering effort for troubleshooting and Engineering to update and as-built project and facility documents and pit upgrades performed in FY06); 3) costs to complete the AW Upgrades (FY 2007 costs for emergent construction activities on the encasement leak detectors and emergent construction activities originating from walk downs, testing of the AW exhausters and HAZOP evaluations, overtime to maintain schedule and engineering to update project and facility documents); 4) costs to complete the AN Upgrades (emergent ECN construction activities resulting from walk downs, testing and the HAZOP evaluations); and SY Upgrades (pit upgrades performed in FY 2006 and increased scope to complete the Upgrades [differing field conditions, troubleshooting and CAT]).

Unfavorable CV is partially offset by efficiencies in Phase 2 Startup, Testing and Turnover, and Project Support.

Impact: None.

5.08.04.02 - PROJECT E-525 (UPGRADE TRANSFER SYSTEMS)

Scope Description: The baseline for Project E-525 provides activities required to define, design, procure, construct, test, turnover, and manage modifications to a portion of the DST Transfer System. The scope of Project E-525 is further defined within the following five design/construction packages: 1) AZ-151 Catch Tank Replacement; 2) Clean-Out Box (COB) Modifications; 3) SY-Farm Transfer Lines; 4) 204-AR Load-Out Facility Transfer Line; and 5) Plutonium Finishing Plant Transfer Lines. These modifications brought a portion of the DST transfer system into compliance with Washington Administrative Code 173-303-640, in support of TPA Milestone M-43-00.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	2,712.4	2,712.4	2,981.8	0.0 0.0%	-269.4 -9.9%	2,712.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.

No work has been performed on Project E-525 in the FY 2007 and FY 2008 period.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to decrease in the final negotiated cost to close an FFS construction subcontract.

The CTD unfavorable CV is due to cost overruns on construction of Clean-Out Boxes (COBs) and the SY-Farm Transfer Line Backfill (work performed on supplied air which was not budgeted for at the time). Unfavorable CV for construction is partially offset by cost efficiencies on the AZ-151 Catch Tank Bypass Construction and in level of effort Project Support.

Impact: None.

Corrective Action: None required.

5.08.05 - RETRIEVAL / CLOSURE PROGRAM

Scope Description: The baseline provides for Retrieval and Closure support activities in this WBS. Specifically, the scope includes program management, regulatory documentation, SST cross-site transfers, technology development, CTF management and maintenance, Vadose Zone support, inactive waste sites administration, Tank Farm Support Facilities/Transfer Systems. The scope also includes the Closure Project TSR/Basic Maintenance on SSTs, Closure Project Operations Essential Services, Closure Project Field Projects/Upgrades, and the solid waste management programs.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	2,655.7	3,878.2	3,626.2	1,224.4 46%	252 6.5%	
CTD	126,004.0	125,024.8	120,600.6	-979.2 -0.8%	4,424.2 3.5%	147,470.3

SCHEDULE VARIANCE

Description and Cause: The CM favorable SV is due to implementation of BCR RPP-08-005, "Realign FY 2007 through FY 2009 Hose in Hose Transfer Line (HIHTL)", (CM point adjustments for required re-planning and deferrals related to the 244-CR Vault and the HIHTL Disposition Project).

The CM favorable SV is partially offset by an unfavorable SV for Vadose Zone Corrective Actions (budget in the current month for work completed early; CTD the work is ahead of schedule).

The CTD unfavorable SV is due to behind schedule condition on 1) Liquid Mitigation of Catch Tanks/DCRTs (S-302; due to required alternate pump replacements; work is expected to be completed this fiscal year); and 2) The HIHTL Disposition Project (availability of engineering and craft support for investigative field work).

Unfavorable CTD SV is partially offset by favorable variance for Vadose Zone work ahead of schedule (direct push sampling and SGE).

Impact: Re-planning of some work is in process.

Corrective Actions: The HIHTL Disposition Project and 244-CR Vault work were re-planned via BCR RPP-08-005, "Realign FY 2007 through FY 2009 HIHTL" (approved and implemented in April). The remaining 244-CR Vault work was deferred to FY09. The BCR aligns HIHTL work with the Life Extension Study and provides for completion of S Farm work in FY08 and deferral of U Farm work to FY09. The work for Liquid Mitigation of Catch Tanks is ongoing. An alternate pump was delivered in January 2008, A/E design work is in approval, and Phase 1 pump testing at the CTF is in progress. Pumping of S-302 is expected to start in mid-August 2008. For the HIHTL, planning is underway to de-scope isolation work from the hose removal/disposal and craft are expected to be available in June.

COST VARIANCE

Description and Cause: The CM CV is within the reporting threshold of +/- 10 percent or $1.0.M.

The CTD favorable CV is due to 1) Under-runs in SST Operations Essential Services (labor planned in Essential Services being utilized in SST TSR/Basic Maintenance account to complete preventive and

corrective maintenance activities); 2) Cost savings on Isolate Transfer System Components work (FY 2006 labor and construction); 3) Cost efficiencies in Infrastructure support from FH and Lockheed Martin Services, Inc. (lower than projected support required); and 4) Miscellaneous other cost efficiencies and savings in Grand Junction Gamma Logging (LOE), Waste Management Program/Administration, Liquid Level and Video Assessment (under-runs on completed work), Tank Farms Risk Assessments (efficient use of in-house staff instead of subcontractors as planned), Retrieval Technology Development, and Cold Test Facility (CTF) Management and Maintenance (lower share of cost as other programs used the facility).

The favorable CTD CVs are partially offset by unfavorable variances for 1) Vadose Resource Conservation and Recovery Act of 1976 (RCRA) Corrective Actions T Farm Interim Surface Barrier work exceeding the baseline estimates (design, procurement, weather and construction scope issues including additional steps to complete the required work such as transportation of soil into the respective area, grading and compaction of soil prior to placing material, development of an infiltration area for water run-off, interior trench and anchor supports for the material and associated material costs); 2) SST TSR Basic Maintenance (higher than expected labor costs being incurred to complete basic PMs/CMs and maintain the backlog and support accelerated retrievals); and 3) Closure Operations Office of the VP (unplanned purchase of spare cameras and unplanned costs for vapor sampling for chemicals of concern).

Impact: Overall, the Retrieval/Closure Program is maintaining a favorable CTD CV.

Corrective Action: Cost efficiencies and savings are expected to continue for support activities and SST Operations Essential Services. Measures were implemented to reduce the costs on the remaining T Farm Interim Surface Barrier construction work (streamlined the management structure, implemented weather enclosure to apply polyurea in bad weather, and optimized staff) and demobilization is complete. BCR RPP-08-005 was implemented in April to re-plan HIHTL and 244-CR Vault work.

5.08.06/.07 - SST RETRIEVAL EAST / WEST AREA

Scope Description: The baseline for this element includes activities required for the retrieval of all 149 SSTs. The scope includes project management, design and engineering, retrieval procurement, retrieval system installation, and retrieval startup and readiness. Scope in this WBS also includes the operations of the SST retrieval systems, post retrieval sampling, and the retrieval data reports.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	780.8	2,122.9	3,539.3	1,342.1 171.9%	-1,416.5 -66.7%	
CTD	49,359.4	80,656.7	79,990.1	31,297.3 63.4%	666.6 0.8%	52,897.3

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to accelerated work performed on the Tank C-104 and C-110 Retrievals and C Farm Infrastructure design and construction.

This CM favorable SV is partially offset by an unfavorable SV for Tank S-102 Retrieval (on hold pending recovery actions).

The CTD favorable SV is due to accelerated work performed on retrieval of Tanks S-102, C-104, C-110 and C Farm Infrastructure; and work completed ahead of the contract period baseline schedule on retrieval of Tanks C-108 and C-109 (design, construction, startup and retrieval).

Impact: The favorable SVs will continue for accelerated work. The favorable SVs will zero-out by the end of FY 2008 for work ahead of schedule.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to 1) C-109 Retrieval Hard Heel Removal (cost impacts and overtime associated with installation of the FOLDTRACK® MRT, the unplanned RA and additional costs and delays associated with the impacts of S-102 Corrective Action implementation [Compensatory Measures and Engineering requirements]); 2) Unplanned costs for the Tank S-102 leak event cleanup; 3) C-104 Construction (additional costs to train a second construction crew, design and engineering support contracts to complete design [design review changes] and costs associated with the impacts of S-102 Corrective Action implementation [Compensatory Measures and Engineering requirements]); and 4) Unplanned costs for Tank S-102 Retrieval (Engineering analysis and alternative evaluation for retrieval path forward; CTD, this Retrieval has a positive CV).

The CTD favorable CV is within the reporting threshold of +/- 10 percent or $1.0M.

Impact: The large favorable CV generated through retrieval efficiencies and savings is being reduced by S-102 recovery costs and impacts on C Farm retrieval due to implementation of Compensatory Measures, Engineering requirements and process improvements (technical evaluations, Process Hazards Analyses and Level 2 RAs).

Corrective Action: Installation of the FOLDTRACK® MRT in Tank C-109 was completed on April 10, 2008. Continued acceleration of C-104 and C-110 Hard Heel Removal using the FOLDTRACK® MRT will help minimize the unfavorable cost impacts from the S-102 spill event and associated recovery actions. Cost impacts have been factored into the fiscal year spend forecasts and work prioritized within available funds.

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5.08.12/.13 - SST CLOSURE

Scope Description: The baseline provides the scope for tank farm closure which includes those activities required for interim closure of each tank in the farm, followed by closure of the entire farm once all tanks within the farm are interim closed. Scope for interim closure of each tank includes characterization, engineering evaluation and reporting, deactivation and isolation of transfer lines, pits and penetrations to the tank, and placement of a grout layer in the bottom of the tank to stabilize the residual waste.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	47.5	25.7	28.9	-21.8 -45.8%	-3.1 -12.2%	
CTD	977.0	955.2	958.5	-21.8 -2.2%	-3.3 -0.3%	1,453.3

SCHEDULE VARIANCE

Description and Cause: The CM SV is due to new April budget for S-Farm Closure Management, added by implementation of BCR RPP-08-005, against which no progress was taken (late start).

The CTD SV is within the reporting threshold of ±10 percent or $1M.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is negligible and the CTD CV is within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

5.09 - TREAT AND DISPOSE WASTE (EXCLUDES WBS 5.09.02.02/.03/.05/.08/.11; 5.09.03.01/.04)

Scope Description: The baseline provides for the remaining scope for WBS 5.09, which includes the Infrastructure Services that provide for electrical power to the WTP, Strategic planning including the support to Optimization Studies, the newly established IPS Project, Project W-QQQ immobilized high-level waste (IHLW) Shipping Facility support, and support to the TPA Milestone M-62-08 deliverables. Also included are the Failed Melter Disposal System and future expansions to IDF. Both are outside of the CTD reporting. Startup and Turnover, performance of Operations Readiness Reviews, and turnover of the constructed IDF to Operations are included in this WBS.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	895.7	843.7	613.4	-51.9 -5.8	230.3 27.3%	
CTD	12,179.8	12,067.7	9,750.9	-112.1 -0.9%	2,316.8 19.2%	17,602.7

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable CV is due to 1) Progress earned and cost efficiencies on the IPS Project (Project Support, Technology Development, Safety Analysis and Project Management); 2) Labor efficiencies in Supplemental Treatment Strategic Planning; 3) Infrastructure Services Phase 1 (reduced electrical usage at the WTP); and 4) Efficiencies on Immobilized Low-Activity Waste (ILAW) and Immobilized High Level Waste (IHLW) Baseline Management.

The favorable CM CVs are partially offset by a minor unfavorable variance on the Immobilized Low Activity Waste (ILAW) Performance Assessment

The CTD favorable CV is due to efficiencies in the aforementioned WTP electrical usage and Strategic Planning as well as under- runs in the ILAW (Baseline Management, Systems Definition and Performance Assessment). The favorable CV is partially offset by overruns in the IDF Operations care and custody (equipment calibrations and performance testing, procedure development, training and habitat mitigation).

Impact: None.

Corrective Action: None required.

5.09.02.02 - TRU / LLW PACKAGING

Scope Description: The baseline provides for the design, construction, testing, operation, and decommissioning of a system to treat contact-handled transuranic mixed (CH-TRUM) waste for eventual shipment/disposal at the Waste Isolation Pilot Plant. 1) CH-TRUM Waste Packaging: Nine tanks are currently thought to contain CH-TRUM waste: four T-200 series SSTs, four B-200 series SSTs, and Tank 241-T-111; 2) Remote Handled transuranic mixed (RH-TRUM) Waste Packaging: Three tanks are currently thought to contain RH-TRUM waste: 241-AW-103, 241-AW-105 and 241-SY-102; and 3) Low-level waste (LLW) Packaging: activities required to operate a system to package LLW such that the packages can be sent to a licensed facility for disposal. One tank, 241-T-110, is currently thought to contain LLW. The volume of LLW in this tank is approximately 400,000 gallons.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	0.0	0.0	65.6	0.0 0.0%	-65.6 -65.6%	0.0

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is within the reporting threshold of +/-10 percent or $1.0M.

The CTD unfavorable CV is due to residual costs received in early FY 2006.

Impact: None.

Corrective Action: None required.

5.09.02.03/.08 - LAW TREATMENT

Scope Description: This work element includes the facilities and systems to treat LAW that will not be treated at the WTP. The work scope includes design, permitting, procurement, construction, startup and testing, readiness, operations, and decontamination and decommissioning of a treatment facility in the 200 East Area. Scope includes the same activities for a 200 West Area facility and a 200 West Area Pretreatment Facility.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	57.4	57.3	63.3	-0.1 -0.1%	-5.9 -10.3%	
CTD	1,823.0	1,823.0	1,760.7	0.0 0.0%	62.4 3.4%	2,150.2

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is due to a minor cost overrun in Pretreatment Developmental Testing 200W which is partially off by efficiencies in Pretreatment Project Management 200W.

The CTD CV is within the reporting threshold of ±10 percent or $1M.

Impact: None.

Corrective Action: None required.

5.09.02.05/.11 - DEMONSTRATION BULK VITRIFICATION SYSTEM PROJECT

Scope Description: The baseline provides work scope to issue procurement package and award contract; contract costs; support contract costs; and direct labor costs for project management and control, permitting, safety document preparation, readiness review activities, and engineering for the following: vendor design, fabrication, construction, installation, testing and operation of a Supplemental Treatment Test and Demonstration Facility; vendor design and fabrication of a salt waste retrieval system; and vendor design and construction required for Supplemental Treatment Test and Demonstration Facility site preparation, including infrastructure. The following is also provided: direct labor costs for installation, startup and operation of a salt waste retrieval system; material and utility costs in support of Supplemental Technology Demonstrations; and decontamination and decommissioning costs associated with Supplemental Technology Demonstrations.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	80.4	172.2	363.7	91.8 114.1%	-191.5 -111.2%	
CTD	28,231.4	42,050.9	45,623.2	13,819.5 49.0%	-3,572.3 -8.5%	28,231.4

SCHEDULE VARIANCE

Description and Cause: The CM favorable SV is due to DBVS Project Engineering during Construction (progress for completion of design and auger testing by the vendor).

CTD, the favorable SV is due to accelerated work performed on the DBVS Project Technology Development and Design to support resolution of the ERP issues/final design (IDMT, Molten Ionic Salts and CD-2).

Impact: None.

Corrective Action: None.

COST VARIANCE

Description and Cause: The CM unfavorable CV is due to 1) DBVS Technology Development (final subcontract closeout costs); and 2) Engineering During Construction final design and review costs (additional costs to modify the facility design to incorporate lessons learned from the FY 2007 IDMT and design changes identified in the PrHOA sessions).

The CTD unfavorable CV is due to additional subcontractors' effort to complete initial design (in prior years), retroactive subcontractor rate adjustments resulting from a Defense Contract Audit Agency audit, cost overruns on DBVS Engineering During Construction (see above) and cost overruns on DBVS Procurement (for unplanned storage and maintenance of equipment awaiting restart of construction). The unfavorable CTD CV is partially offset by cost efficiencies on DBVS Project Support and the recent DBVS Technology Development work for the IDMT.

Impact: The CTD CV for completed work is not recoverable. Additional funding is required for follow-on testing to optimize mixer/dryer pellet production.

Corrective Action: Sources of additional funding are being investigated for modest testing program in FY 2009.

5.09.03.01 - INTEGRATED DISPOSAL FACILITY

Scope Description: The baseline provides for planning, designing, and constructing the onsite expandable IDF for disposing of compliant ILAW stream packages produced at the WTP and through supplemental treatment, and the RL generated mixed low-level waste (MLLW) and LLW. The IDF will consist of the initial capacity near-surface, remote-handled waste trench facility to support WTP Operations ILAW Production and the RL MLLW and LLW disposal quantities. Infrastructure necessary to provide operations and maintenance support (e.g., utilities, roads, and fencing) will be provided by this WBS.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	7,132.9	7,132.9	5,351.5	0.0 0.0%	1,781.4 25.0%	7,132.9

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M. Work on this Facility is completed.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD favorable CV is due to cost effective management of the IDF construction changes, utilization of internal engineering resources rather than subcontracted support, and less project management resource usage than planned.

Impact: None.

Corrective Action: None required.

5.09.03.04 - PROJECT W-464 (INITIAL IHLW STORAGE FACILITY)

Scope Description: The baseline provides for Project W-464, Interim Storage Facility, which is a Canister Storage Building Retrofit Subproject that addresses initial operations storage. This element provides onsite interim storage for Initial Operations IHLW canisters until they can be shipped to an offsite geological repository. The planning for receipt and interim storage of the IHLW canisters shall comply with the Waste Acceptance System Requirements Document and the Office of Civilian Radioactive Waste Management Waste Acceptance Preliminary Specifications. This WBS covers equipment for transportation of IHLW canisters from the WTP to the interim storage facilities. The work scope activities included under this WBS element are as follows: Provide Project Management (Capital) and project engineering required for execution of design, procurement and construction of the Interim Storage Facility.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	109.4	109.4	35.1	0.0 0.0%	74.3 67.9%	109.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M. No work is currently being performed on this Project.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM CV is within the threshold of ± 10 percent or $1M.

The CTD favorable CV is due to cost effective use of support resources on Project W-464.

Impact: None.

Corrective Action: None required.

5.10 - ANALYTICAL TECHNICAL SERVICES

Scope Description: The baseline scope includes ATS management and Hanford Services support in order to meet the capability/capacity requirements on the 222-S Laboratory complex for the Hanford mission. Also included are: 222-S Laboratory spares; 222-S Laboratory spare reserves; capital equipment not related to construction; technology development activities; performance of facility assessment and characterization activities; development of National Environmental Policy Act of 1969 and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance plans; development of deactivation endpoints and turnover package; activities to flush, isolate, and blank process or sub-process systems; and removal of radioactive and hazardous materials and mixed wastes.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	2,192.0	2,149.1	2,181.4	-42.8 -2.0%	-32.2 -1.5%	
CTD	64,146.2	64,063.8	58,150.9	-82.5 -0.1%	5,912.9 9.2%	76,652.5

SCHEDULE VARIANCE

Description and Cause: The CM and CTD SV are within the reporting threshold of ±10 percent or $1M.
Impact: None.

Corrective Action: None.

COST VARIANCE

Description and Cause: The CM unfavorable CV is within the reporting threshold of ± 10 percent or $1M.

The CTD favorable CV is due to 1) Efficiencies in ATS Management technical advisors (attrition and transfer to WFO); 2) Efficiencies in 222-S Services (less than planned ORP steam allocations); 3) Efficiencies in 222-S Safe and Compliant Operations and General Support (less than planned dedicated and matrixed staff, planning rates greater than actual costs and revised waste volume projections for waste handling are less than originally planned); 4) Cost savings for 222-S Facility Reliability (Maintenance Annex HVAC and roof repair completed under budget); 5) Efficiencies in 222-S Analytical Support (re-direction of Analytical Process Development scientist and Engineering technical support to Technology Development and Tank Sampling analytical support for corrosion control activities); 6) Efficiencies in 222-S Technology Development (less than planned Analytical Methods Development activities in FY 2006 as resources were re-directed to support the Industrial Hygiene Program and vapor analysis); 7) Cost efficiencies in ATL Waste Handling (shipments of waste for processing have been less than planned due to actual analytical production); 8) Efficiencies in ATL Waste Handling Disposition (shipments of waste for processing have been less than planned due to actual analytical production and subsequently the billing of ATL waste handling costs to the end users being less than planned); and 9) ATL Readiness to Serve costs less than planned.

Favorable CTD CVs are partially offset by minor unfavorable variance for 1) 222-S Capital Equipment Not Related to Construction (procurement of the gas chromatograph/mass spectrometer [GC/MS] and increased costs associated with design for the installation of the ICP/MS) and 2) ATL Waste Handling Revenue (shipment of waste for processing have been less than planned due to actual analytical production and subsequently the billing of ATL waste handling costs to the end users being less than planned).

Impact: None.

Corrective Action: Design and a cost estimate are being prepared for 222-S Facility Reliability repair/replacement (as required) of the 222S, 222SA and 222S Maintenance Annex roofs.

Milestone M-45,-50,-60 Single-Shell Tank Corrective Action

I. Near-Term Deliverables:

- **M-45-56, Complete Implementation of Agreed to Interim Measures.**
  Due: 07/31/08
  Status: On Schedule.

- **M-45-58, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Master Work Plan that describes the proposed approach for the completion of Corrective Action to meet Final Closure Requirements in the Waste Management Areas as described in Appendix I, Section 2.3.**
  Due: 12/31/08
  Status: On Schedule. TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

- **M-45-60, Submit to Ecology for review and approval as an Agreement primary document DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA. C.**
  Due: 12/31/08
  Status: On Schedule. TPA Change Request, M-45-06-03 approved by DOE and Ecology on December 4, 2007.

- **M-45-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RCRA Facility Investigation/Corrective Measures Study Report for WMA C.**
  Due: 12/31/10
  Status: On Schedule.

- **M-45-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Implementation Work Plan for WMA C.**
  Due: 7/31/12
  Status: On Schedule

II. Significant Accomplishments:

- Construction of the T-Farm interim barrier is complete. The monitoring system has been actuated.
- Continuing direct push work at C WMA. The 21 samples from the first unplanned release (UPR) site (UPR-86) are undergoing analysis. All exploration holes have been completed and logged. Sampling depths

were selected for the most promising location; up to 12 vertically separated samples are planned. As of 6/2/08, nine samples have been successfully retrieved. Following collection of the last sample, all probe holes will be decommissioned.

- The TX and TY geophysics field work is complete: analysis of well-to-well resistivity survey has been completed. Surface-to-surface survey analysis is underway and analysis of the ground-penetrating radar survey has been completed.
- Construction of a groundwater monitoring and Vadose Zone sampling well in the BX Tank Farm was initiated; the hole is approximately 170 ft. deep as of 6/2/08.

III. Significant Planned Actions in the Next Six Months:

- Complete investigation of UPR-200E-81 using direct push.
- Complete construction of a groundwater monitoring and vadose zone sampling well in the BX Tank Farm.
- Complete the WMA C data quality objectives.
- Complete the Master work Plan.
- Complete analysis and report of TX-TY Geophysics work.
-

IV. Issues

-- None.

Milestone M-45-00, Complete Closure of All Single-Shell Tank Farms

SST Retrieval and Closure Program

I. Deliverables

- **M-45-00, Complete Closure of all Single-Shell Tank Farms**
  Due: 9/30/24
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-00B, Complete Specified "Near-Term" SST Waste Retrieval and Interim Closure Activities, to Result in the Retrieval of all Tank Wastes in WMA-C SSTs Pursuant to the Agreement Criteria in Milestone M-45-00**
  Due: 9/30/06 (Or as otherwise indicated within the descriptive text of this milestone.)
  Status: Missed.
  - Completion of four limits of technology retrieval demonstrations:
    - Saltcake dissolution (S-112): Completed (M-45-03C)
    - Modified sluicing (C-106): Completed
    - Vacuum retrieval (C-200s): Completed; C-203 field retrieval operations completed on 3/24/05; C-202 retrieval completed on 8/11/05; C-201 retrieval completed on 3/23/06; C-204 retrieval completed on 12/11/06.
    - Mobile retrieval (C-101, C-105, or C-111): C-101 start of retrieval is currently projected for fiscal year 2011 (October 2010).

  - Implementation of full-scale LDMM technologies for the first three 100-series tank retrievals following Tank S-112:
    - Tank S-102: High Resolution Resistivity (HRR) system installed; supporting retrieval operations. System was electrically shut down with all power to the S-102 area in response to a waste spill on July 27, 2007. Power will be restored to S-102 as soon as safely possible.
    - Tank C-103: HRR system demonstration complete.
    - Tank C-108: HRR system installed; supporting retrieval operations.
    - Completed HRR injection tests at S-102.
    - Submitted HRR evaluation report and recommendation for further deployment.

  - Submittal of TWRWPs:
    - Tanks C-201, C-202, C-203, and C-204: Completed on 4/8/04
    - Two (2) 100-series tanks by 7/31/04: Completed on 7/29/04 (C-103 and C-109)
    - Four (4) 100-series tanks by 10/31/04: Completed on 10/8/04 (C-102, C-104, C-107, C-108, and C-112).

  - Five (5) 100-series tanks by 1/31/05: Completed on 1/24/05 (C-101, C-105, C-110, and C-111).

- Submittal of Waste Management Area (WMA) integration plans by 6/30/05:
  - WMA C: Completed; submitted from ORP to Ecology on 6/22/05
  - WMA T: Completed; submitted from ORP to Ecology on 6/22/05.

- **M-45-00C, Initiate Negotiation of SST Waste Retrieval and Closure Activities and Associated Schedules (for the Period February 2007 through August 2008)**
  Due: 9/30/06
  Status: Missed

- **M-45-00D, Initiate Negotiation of the SST Waste Retrieval and Closure Activities (for the Period September 2008 to September 2013)**
  Due: 1/31/08
  Status: Missed

- **M-45-00E, Initiate Negotiation of SST Waste Retrieval and Closure Activities for the Remainder of the SST Program**
  Due: 10/31/12
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05, Retrieve Waste from all Remaining Single-Shell Tanks**
  Due: 9/30/18
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T05, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
  Due: 9/30/07
  Status: Missed.

- **M-45-05-T06, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
  Due: 9/30/08
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T07, Initiate Tank Retrieval from Seven Additional Single-Shell Tanks**
  Due: 9/30/09
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T08, Initiate Tank Retrieval from Eight Additional Single-Shell Tanks**
  Due: 9/30/10
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T09, Initiate Tank Retrieval from Ten Additional Single-Shell Tanks**
  Due: 9/30/11
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T10, Initiate Tank Retrieval from 12 Additional Single-Shell Tanks**
  Due: 9/30/12
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T11, Initiate Tank Retrieval from 14 Additional Single-Shell Tanks**
  Due: 9/30/13
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T12, Initiate Tank Retrieval from 17 Additional Single-Shell Tanks**
  Due: 9/30/14
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T13, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/15
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T14, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/16
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-05-T15, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**
  Due: 9/30/17
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-06, Complete Closure of all Single-Shell Tank Farms in Accordance with Approved Closure/Post Closure Plan(s)**
  Due: 9/30/24
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-06-T03, Initiate Closure Actions on a WMA Basis**
  Due: 3/31/12
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-45-06-T04, Complete Closure Actions on one WMA**
  Due: 3/31/14
  Status: To Be Missed (Based on current DOE Baseline planning)

II. Significant Accomplishments

- Continued design and construction work for the C-104 retrieval system.
- Successfully deployed FoldTrak into C-109.
- Started planning for C-110 retrieval.

III. Significant Planned Activities in the Next Six Months

- Perform readiness assessment to resume C-Farm retrievals.
- Resume retrieval in C-109 using the FoldTrak (05/12/08).
- Complete comment resolution on the C-110 TWRWP and obtain Ecology approval.
- Complete construction for the C-110 retrieval system and start retrieval.
- Complete comment resolution on the Mobile Retrieval System (MRS) TWRWP (for tanks C-101, C-105, and C-111) and obtain Ecology approval.

IV. Issues

- The C-110 and MRS TWRWPs have not been approved by Ecology. ORP submitted document updates for both TWRWPs on January 15, 2008.
- Milestones M-45-00B (retrieve all C-Farm tanks) and M-45-00C (initiate negotiations on SST retrievals for 2007-2008), and M-45-00D (initiate negotiations on SST retrievals for 2008-2013) were missed. TPA negotiations to address these and other milestones are ongoing.

C-FARM RETRIEVAL SUMMARY SCHEDULE FORECASTS [a]

Tank	Final Design Drawings complete	Construction Complete	Process Control Plan Complete	Start Retrieval	Complete Retrieval	TSAP Complete	Retrieval Data Report or Appendix H to Ecology/EPA
C-101	7/2/09	8/5/10	9/1/10	10/1/10	1/6/12	12/6/11	9/27/12
C-102	1/14/11	10/13/11	12/9/12	1/9/12	11/20/12	10/20/12	11/18/13
C-103	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-104[c]	6/5/08	9/25/08	9/1/08	9/29/08	5/12/09	4/1/09	3/31/10
C-105	5/2/12	6/5/13	7/30/13	8/30/13	3/6/14	2/6/14	12/4/14
C-106	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-107	3/21/14	12/19/14	2/26/15	3/26/15	12/18/15	11/18/15	4/26/17
C-108[d]	Complete	Complete	Complete	Complete	5/20/09	4/20/09	3/23/10
C-109[d]	Complete	Complete	Complete	Complete	9/8/08	8/1/08	6/30/09
C-110[bc]	7/29/08	9/22/08	8/22/08	10/7/08	4/30/09	3/30/09	2/18/10
C-111	8/18/14	9/21/15	11/21/15	12/21/15	4/28/16	3/28/16	1/31/17
C-112	10/18/13	7/23/14	9/9/14	10/9/14	3/25/15	2/25/15	3/1/17
C-201	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-202	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-203	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-204	Complete	Complete	Complete	Complete	Complete	Complete	Complete

a. Completion dates are based on the statused May month-end Integrated Mission Execution Schedule (IMES) as of 5/25/08 and are subject to change as efforts continue to identify and implement schedule efficiencies.
b. Projected dates for C-110 are based on utilizing Modified Sluicing technology and availability of acceleration funding.
c. Schedules are being updated for inclusion of S-102 corrective actions and compensatory measures.
d. Restart retrieval.

SST RETRIEVAL SEQUENCE DOCUMENT

I. Deliverables

- **M-45-02N, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02N for further details)**
  Due: 3/1/08 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: Complete

- **M-45-02N-A, Embedded Milestone; Within 60 days of receiving the DST Space Evaluation Document, the Three Parties Shall meet to Establish New Milestones, If Required, for Acquisition of Additional Tanks.**
  Due: 06/02/08
  Status: On May 15, 2008, Ecology transmitted comments on the M-45-02N deliverable. Responses to Ecology's comments are being developed at this time.

- **M-45-02O, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02M for further details)**
  Due: 3/1/10 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: On schedule

- **M-45-02P, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02M for further details)**
  Due: 3/1/12 (Biennially thereafter. Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
  Status: On schedule

- **M-45-02P-A, Embedded Milestone; Within 60 days of receiving the DST Space Evaluation Document, the Three Parties Shall meet to Establish New Milestones, If Required, for Acquisition of Additional Tanks.**
  Due: 4/30/10
  Status: On schedule

II. Significant Accomplishments

- Submitted M-45-02N deliverable on February 29, 2008, ORP letter, 08-TPD-010

III. Significant Planned Activities in the Next Six Months

- Respond to Ecology comments on the M-45-02N deliverable.

IV. Issues

- Ecology approval of the M-45-02N submittal is still outstanding.

TANK RETRIEVALS WITH INDIVIDUAL MILESTONES

Tank 241-C-106

I. Deliverables

- **M-45-05M-T01, Submit C-106 Waste Retrieval Results, Analysis of Residual Waste(s), and (if appropriate) Request for Exception to the Criteria Pursuant to Agreement Appendix H**
  Due: 2/27/04
  Status: Complete

II. Significant Accomplishments

- None

III. Significant Planned Activities in the Next Six Months

- Complete NRC review of the C-106 exception request.
- Continue Performance Assessment workshops with Ecology.

IV. Issues

- C-106 Closure Plan approval and SST radiological Categorical Notice of Construction Phase 3 (closure) and a toxics categorical NOC application are pending completion of the Tank Closure and Waste Management Environmental Impact Statement and associated Record of Decision (ROD); forecast completion for the final EIS is June 2009.

Tank 241-S-102

I. Deliverables

- **M-45-05A, Complete Waste Retrieval from Tank S-102**
  Due: 3/31/07
  Status: Missed. As a result of equipment failure on March 14, 2007, retrieval operations were suspended at Tank S-102 with retrieval approximately 91% complete and approximately 423,000 gallons total waste removed. Retrieval restarted on July 25, 2007 and was suspended after a waste spill on July 27, 2007. Spill recovery actions are in progress.

- **M-45-15, Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project**
  Due: 6/30/11
  Status: On Schedule. Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**
  Due: 6/30/11
  Status: On schedule

- **M-45-15B, Embedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank.**
  Due: 6/30/11
  Status: On schedule

- **M-45-15C, Embedded Milestone, An update to the S-102 Component Closure Activity Plan has been submitted by DOE.**
  Due: 6/30/11
  Status: On schedule

- **M-45-15D, Embedded Milestone, if appropriate, DOE has requested an exception to waste retrieval criteria pursuant to Agreement Appendix H.**
  Due: 6/30/11
  Status: On schedule

II. Significant Accomplishments

- Completed removal of above grade equipment in preparation for removal of contaminated soil.
- Completed removal of contaminated soil.
- Initiated value engineering study to develop technical approach for completing S-102 retrieval.

III. Significant Planned Activities in the Next Six Months

- Complete recovery actions for the waste leak of July 27, 2007.
- Resume retrieval in FY 2009.

IV. Issues

- Retrieval of Tank 241-S-102 was not completed by TPA milestone date of March 31, 2007, due to pump failure.
- On July 27, 2007 a leak of up to 114 gallons of tank waste occurred from the S-102 pumping system. Operations were suspended, recovery actions started immediately and are continuing.

Tank 241-S-112

I. Deliverables

- **M-45-03C, Complete Full-Scale Saltcake Waste Retrieval Technology Demonstration at Single-Shell Tank S-112**
  Due: 6/30/05
  Status: Complete

- **M-45-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project**
  Due: 6/30/11
  Status: On Schedule. Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007.

- **M-45-13A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I**
  Due: 12/31/07
  Status: Completed (ORP letter, 07-TPD-066, dated 12/21/07). Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007

- **M-45-13B, Embedded Milestone, Remaining Wastes have been adequately Characterized, and a Risk Assessment has been completed for residuals that remain in the tank.**
  Due: 12/31/07
  Status: Complete (ORP letter, 07-TPD-066, dated 12/21/07). Added by Change Request M-45-07-01 approved by DOE and Ecology on December 4, 2007

- **M-45-13C, Embedded Milestone, An update to the S-112 Component Closure Activity Plan has been submitted by DOE.**
  Due: 6/30/11
  Status: On schedule

- **M-45-13D, Embedded Milestone, if appropriate, DOE has requested an exception to waste retrieval criteria pursuant to Agreement Appendix H.**
  Due: 6/30/11
  Status: On schedule

II. Significant Accomplishments

- None

III. Significant Planned Activities in the Next Six Months

- Respond to Ecology comments on the S-112 RDR.

IV. Issues

Interim Stabilization Consent Decree

I. Near-Term Deliverables:

D-001-00, Complete Interim Stabilization of all 29 SSTs

Due: 09/30/04

Status: Completed on 03/18/04 with discontinuation of pumping in U-108 and subsequent consultation with Ecology staff. Interim stabilization of S-102 and S-112 held in abeyance by third amendment to the Consent Decree; these two tanks are undergoing retrieval. ORP's obligation to interim stabilize S-102 and S-112 will be satisfied upon completion of retrieval operations. Retrieval of S-102 has been impacted by the spill at this tank.

II. Significant Accomplishments:

None.

III. Significant Planned Actions in the Next 6 Months:

Conduct recovery actions from the spill at S-102.

IV. Issues

Tank S-102 retrieval not completed by milestone M-45-05A date of March 31, 2007. The spill at S-102 will delay completion of this milestone.

In Tank Characterization and Summary

For the period from May 1 – May 31, 2008

I. Accomplishments:

- Completed grab sampling of *Tank 241-AZ-102 Leak Detection Pit* on May 1, 2008.
- Completed DQO, RPP-SPEC28275, *Corrosion Probe Data Quality Objectives, Rev. 1* on May 5, 2008.
- Completed core sampling of Tank 241-AY-101 on May 1, 2008.

II. Planned Action within the next Six Months:

Tank Sampling

- Tank 241-AP-103 core corrosion samples scheduled for June 2008.
- Tank 241-AZ-102 Leak Detection Pit liquid grab samples scheduled for May 2008.
- Tank 241-AZ-102 liquid grab samples scheduled for July 2008.
- Tank 241-AN-106 post 241-C-109 retrieval sampling scheduled for August 2008.
- Tank 241-AP-107 liquid grab samples scheduled for July 2008.
- Tank 241-AW-106 liquid grab samples scheduled for August 2008.
- Tank 241-C-109 closure solids samples scheduled for August 2008.

BBI Updates

- Ten tank updates are planned for the third quarter of FY 2008. One of the planned updates was postponed because a transfer was delayed and was deleted because of insufficient data to conduct an update. All of the remaining eight updates have been started and six have been completed.

DQOs

- Complete Evaporator DQO, Rev. 5 in August 2008.
- Complete SST Component Closure DQO, Rev 4 in July 2008.
- Complete Compatibility DQO, Rev. 13 in June 2008.
- Complete Chemistry Control DQO, Rev. 9 in June 2008.

III. Issues:

- None.

Milestone M-47-00, Complete Work Necessary to Support Acquisition and Phase I Operations of Hanford Site High-Level Radioactive Waste Treatment, Storage, and Disposal Facilities

I. Near-Term Deliverables:

- **M-47-03A, Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial high-level waste feed tank.**
  Due: 03/31/09
  Status: Will Be Missed. Pending path forward with Ecology for renegotiation of new milestone commitments.

- **M-47-06, Complete negotiation of additional agreement requirements (milestones, target dates, and associated language) governing work necessary to support completion of treatment complex Phase I operations by 2018.**
  Due: 06/30/10
  Status: Negotiations are not yet underway.

II. Significant Accomplishments:

- Completed actions as outlined in closeout letter by Ecology

III. Significant Planned Actions in the Next Six Months:

- None.

IV. Near-term Actions Needed by DOE or Ecology:

- None

V. Issues:

- Nothing to report.

242-A Evaporator Status (previously reported under Milestone M-62, which has been closed out).

EVAPORATOR CAMPAIGNS

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY07	07-01 (07-02)	AN-106/AY-102 (AW-102)	AP-103	Campaign completed 7/22/07.
FY07	07-02 (08-01)	AP-104	AP-103/ AP-104	Campaign completed 11/15/07.
FY08	08-CR	None	None	Planning is underway to conduct a Cold Run to complete 242-A monitoring and control system (MCS) upgrades and equipment testing, and personnel training in FY08.
FY08	08-01 (10-01)	AP-101/AP-105	AP-104	Planning is underway to accelerate the FY10 baseline campaign into FY08. The accelerated campaign is to be performed back-to-back with Campaigns 08-CR and 08-02 (acceleration of 09-01).
FY08	08-02 (09-01)	AP-101/AP-105	AP-104/ AP-101	Planning is underway to accelerate an FY09 baseline campaign into FY08. The accelerated campaign is to be performed back-to-back with Campaign 08-01 (acceleration of 10-01).
FY09	09-01	AW-106	AP-101	Detailed planning for FY09 and outyear campaigns subject to retrieval activities and contract requirements. Forecast FY09 campaigns are based on preliminary planning associated with blending AZ-102.
FY09	09-02	AP-107	AP-101/ AP-107	
FY09	09-03	AZ-102	AP-107	

Milestone M-90-00, Complete Acquisition of New Facilities, Modifications of Existing facilities, and/or Modifications of Planned Facilities, as Necessary for Storage of Hanford Site Immobilized High Level Waste (IHLW), Immobilized Low Activity Waste (ILAW), and Disposal of ILAW, and M-20-00, Submit Part B Permit Applications.

I. Near-Term Deliverables:

- **M-90-10, Ready to Accept Placement of ILAW Waste in ILAW Disposal Facility.**
  Due: 8/31/08
  Status: **Complete**

- **M-90-11, Complete Canister Storage Facility Construction**
  Due: 8/31/10
  Status: To Be Missed. To be renegotiated to align with WTP schedule.

II. Significant Accomplishments:

- "Pre-active life" surveillance and monitoring has been implemented in accordance with the IDF Permit modification. Results to date indicate the IDF is performing in accordance with the approved design.

III. Significant Planned Actions in the Next Six Months:

- Complete a survey in Fall 2008 to determine survival rate of sagebrush planted to date and determine delta to meet 60% survival required by the Mitigation Action Plan – Fall 2008.

- By agreement between ORP and Ecology, withdrawal of the Canister Storage Facility Part B Permit Application is under consideration, due to the fact that WTP operating schedule has been pushed out and the facility will not be needed as early as previously anticipated – June 2008.

IV. Issues

- None.

MILESTONE M-62-00, COMPLETE PRETREATMENT PROCESSING AND VITRIFICATION OF HANFORD HIGH-LEVEL (HLW) AND LOW-ACTIVITY (LAW) TANK WASTES.

I. **Near-Term Deliverables:**

- **M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes.**
  Due: 12/31/2028
  Status: To Be missed

- **M-62-00A, Complete WTP Pretreatment Processing and Vitrification of Hanford HLW and LAW Tank Wastes.**
  Due: 02/28/2018
  Status: To Be missed

- **M-62-01P, Submit Semi-Annual Project Compliance Report.**
  Due: 01/31/2008
  Status: Complete

- **M-62-01Q, Submit Semi-Annual Project Compliance Report.**
  Due: 07/31/2008
  Status: On schedule

- **M-62-07B, Complete Assembly of Low Activity Waste Vitrification Facility Melter #1 So That It Is Ready for Transport and Installation in the LAW Vitrification Building (BNI Baseline Schedule Activity 4DL321A200 as Part of DOE Contract No. DEAC27-01RV14136), and Complete Schedule Activity ID 4DH46102A2 – Move #1 Melter into the High Level Waste Vitrification Facility.**
  Due: 12/31/2007
  Status: Missed

M-62-08, Submittal of Hanford Tank Waste Supplement Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline and Draft Negotiations Agreement in Principle.

Due: 06/30/2006
Status: Missed – Insufficient information to compare technologies due to delays in constructing the Demonstration Bulk Vitrification System (DBVS) and lack of WTP cost and schedule information.

- **M-62-09, Start Cold Commissioning – Waste Treatment Plant.**
  Due: 02/28/2009
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-62-10, Complete Hot Commissioning – Waste Treatment Plant.**
  Due: 01/31/2011
  Status: To Be Missed (Based on current DOE Baseline planning)

- **M-62-11, Submit a Final Hanford Tank Waste Treatment Baseline.**
  Due: 06/30/2007
  Status: Missed

II. Significant Accomplishments:

- DOE-HQ, EM-1, issued May 22, 2008 notification that Critical Decision 2 will be held in abeyance until the Department completes additional studies and reaches a decision regarding the preferred strategy for pretreating and immobilizing LAW.

III. Significant Planned Actions in the Next Six Months:

IV. Complete additional studies and reach a decision regarding the preferred strategy for pretreating and immobilizing LAW.

IV. Issues:

None.

Hanford Waste Treatment and Immobilization Plant (WTP) Project

Waste Treatment Plant

The project is 43% complete. There are 1,595 employees assigned to the WTP construction site (all facilities); 971 manual and 624 non-manual. Financial expenditures-to-date are $429 million that, combined with approved baseline change proposals (BCP) implemented this year, result in a forecasted spend of $750 million.

Cumulative fiscal year to date earned value performance for the project is shown in the table below.

	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08
BCWS	48,396	93,184	135,016	178,634	259,849	315,441	369,216
BCWP	48,645	95,248	134,616	177,804	255,242	303,880	363,561
ACWP	54,226	111,143	160,591	208,495	283,264	341,823	409,760

The WTP has a cumulative unfavorable cost variance (CV) of $20 million, a decline of $8.3 million from March; total schedule variance (SV) is unfavorable $36.1 million, a $5.9 million improvement from March.

Emergent work continues to impact the completion of scheduled activities and engineering delays are impacting subsequent procurement and construction installations. The facilities most affected are Balance of Facilities, Analytical Laboratory Facility, and Low Activity Waste Facility where cost growth and procurement delays are beginning to impact critical path. Senior management focus sessions are held regularly to understand and mitigate the continued impacts.

Performance improvement plans to revitalize the management assessment process are also underway. The first priority is an annual review methodology that develops strengths and opportunities for improvement both in departments and for the WTP as a whole. A cross-functional team of staff from the Engineering, Construction, Acquisition Services, Project Controls, and Quality and Performance Assurance Departments is developing the methodology. Performance Improvement staff are also evaluating software options for the Lessons Learned Program to support revitalizing the program. Causal analysis of engineering delays continues with results and discussions anticipated in June 2008.

The review of the biennial update to the WTP preliminary safety analysis report (PSAR) continues to go well. Of the 111 questions submitted to Bechtel National, Inc. (BNI), 109 responses have been received with 94 of the responses dispositioned. The Office of River Protection (ORP), Nuclear Safety Division (NSD) review team continues to work with BNI personnel to review and/or clarify the remaining 17 responses. Team members are also submitting input to the safety evaluation report (SER), summarizing their reviews and conclusions. The final SER will be issued prior to June 30, 2008.

The U.S. Department of Energy (DOE) ORP met with Nuclear Regulatory Commission (NRC) staff at their Rockville, Maryland, office to discuss the NRC's draft report on their review of the WTP regulatory process, including the factual accuracy of comments made by the DOE, Office of Environmental Management (EM) and ORP. The NRC was asked to review the WTP regulatory process and report back to Congress before the end of June 2008. Following the submittal of their report to Congress and the Secretary of Energy in June 2008, the NRC will hold a public meeting in the Tri-Cities in July 2008 to present their results and conclusions and to solicit feedback from the public.

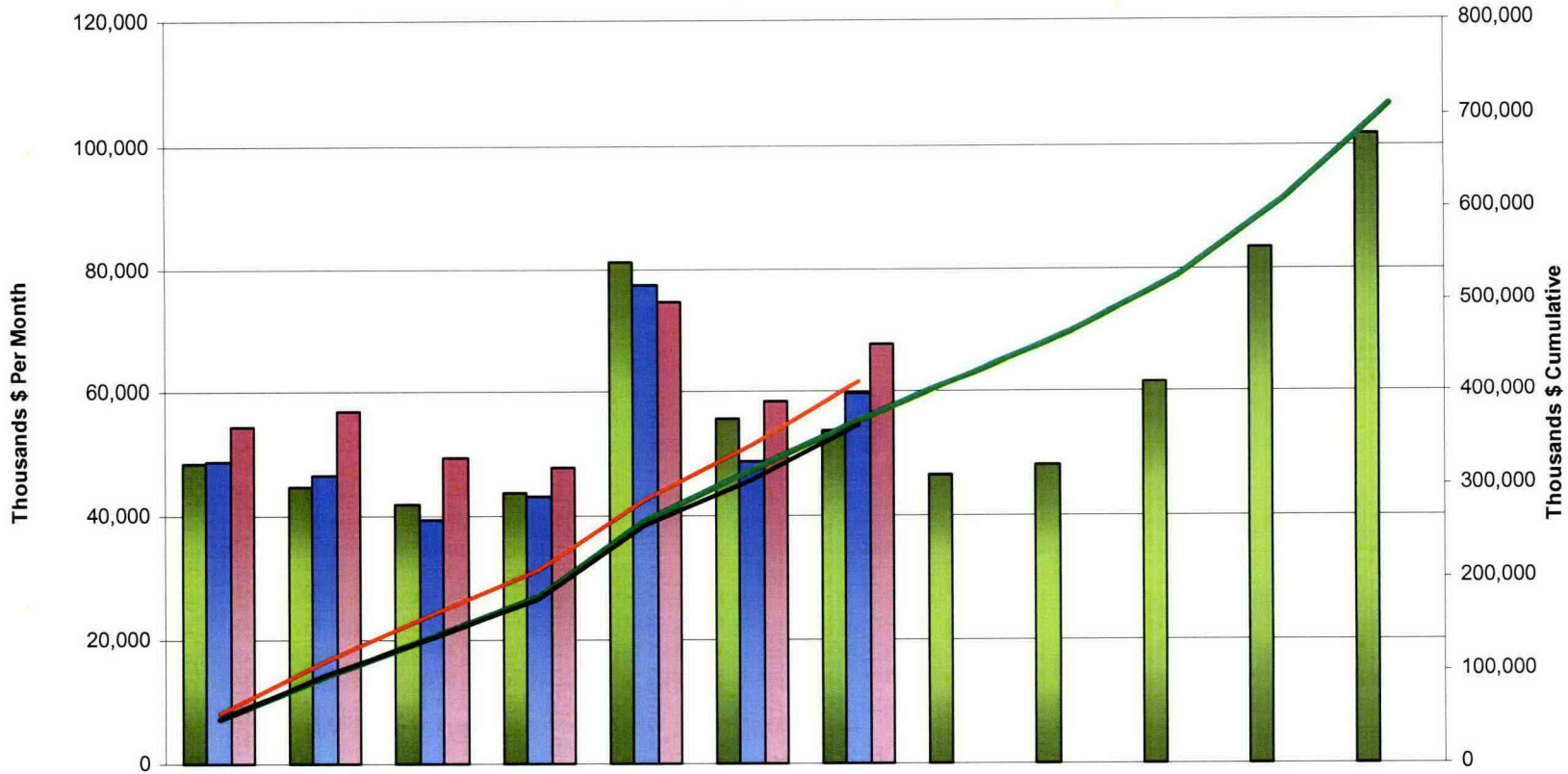
The WTP Broad Based Review (BBR) Team review is 19% complete, having finished 1,256 of 6,509 reviews. This represents a significant slip in schedule from the original forecast to have a final report issued by mid June 2008. The schedule delay is due to slow progress on the vessel and melter team reviews. The teams have over 3,700 requirement reviews to conduct, and the reviews are extremely complex and time intensive. Combined, the teams have completed 70 reviews and identified over 60 open issues. The BBR Team as a whole has identified 244 open issues, most of which are with BNI for resolution. The BBR Team and BNI Engineering will present the status of the BBR review and BNI issues responses to DOE May 14, 2008. An interim report is expected in late June. The final BBR report will not be published until all reviews are complete and all issues have been closed or captured as Project Issues Evaluation Reporting (PIER) items by BNI, which is anticipated in early fiscal year 2009.

The WTP As Low As Reasonably Achievable (ALARA) Assessment is in progress and scheduled to be completed by June 30, 2008. The assessment is focused in the following areas: 1) review of engineering calculation spreadsheets to ensure they were controlled in accordance with WTP contractor procedures and the Quality Assurance Manual (QAM) and 2) evaluation of software applications used for engineering calculation development to verify they meet QAM requirements.

The DOE Office of Engineering and Construction Management (OECM) has scheduled a management review of ORP and BNI the week of June 23, 2008. The management review is to confirm that the recommendations of all calendar year 2006 reviews have been satisfactorily addressed and that management processes are effective and functioning. ORP held several meetings with Bob Raines and his staff during the week of May 19, 2008, to define the scope of the management review. The review is currently framed around the measures taken by WTP Assistant Manager to resolve recommendations from prior external reviews and BNI's incorporation of corrective actions resulting from the Earned Value Management System (EVMS) certification reviews. ORP and OECM are working together to develop the specific agenda for the week-long management review.

BNI issued the Waste Treatment and Immobilization Plant Commercial Grade Dedication (CGD) Program Plan, and the final revision of their commercial grade dedication procedure to ORP. The CGD Program Plan describes the regulatory basis and provides a summary of the processes for procuring nuclear quality (NQA-1) items and services from suppliers that do not have nuclear quality programs. Revision 8 of the CGD procedure adds processes for dedicating services and incorporates ORP comments.

Total Project
WTP Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	48,396	44,788	41,831	43,618	81,216	55,591	53,776	46,484	48,129	61,709	83,594	101,832
Mthly Perf (BCWP)	48,646	46,602	39,368	43,187	77,439	48,637	59,681					
Mthly Actuals (ACWP)	54,226	56,917	49,448	47,904	74,769	58,559	67,938					
FY 08 TD Plan (BCWS)	48,396	93,184	135,016	178,634	259,849	315,441	369,216	415,700	463,829	525,539	609,132	710,964
FY 08 TD Perf (BCWP)	48,646	95,248	134,616	177,804	255,242	303,880	363,561					
FY 08 TD Actuals (ACWP)	54,226	111,143	160,591	208,495	283,264	341,823	409,760					

Pretreatment (PT) Facility

The PT Facility will separate radioactive tank waste into high-level waste (HLW) and low-activity waste (LAW) fractions and transfer each waste type to the respective vitrification facility for immobilization. Facility construction began November 2002 with a scheduled construction completion date of October 2014. Currently, overall percent complete is 38%, design is 70% complete, and construction is 29% complete.

The objective and work scope associated with the External Flowsheet Review Team (EFRT) issue M-3, *Inadequate Mixing*, will be revised to provide the technical basis to resolve the mixing performance of vessels that use pulse jet mixers (PJM) mixed vessel design (11 of the 33 PJM mixed vessels may not be a concern). A joint DOE/BNI task force has reached agreement on the concept for the testing program and continue to have weekly meetings to complete revision of the M3 testing program. The M-3 re-planning effort will be completed in June 2008 and will also include prototypic testing to demonstrate the technology. Of the original 28 EFRT issues, 20 are now closed with 8 remaining.

On May 23, 2008, mechanical and electrical installation of the Pretreatment Engineering Platform (PEP) equipment skids was completed ahead of the current schedule. Component testing has begun and is moving ahead smoothly. Site integrated testing will begin followed by integrated water testing, and simulant shakedown tests. These tests will be completed in October 2008. Phase 1 integrated testing with simulant will be initiated by November 2008. Procurement of simulant for PEP testing was initiated, and a 15-gallon trial batch of simulant has been fabricated. The PEP provides the equipment needed to perform a 1:4.5 scale test of the WTP ultrafiltration system to address questions associated with the system's caustic and oxidative leaching processes, equipment performance, and system capacity.

The DOE, ORP and BNI continue to review the Consortium for Risk Assessment with Stakeholder Participation (CRESP) report. The report, issued May 8, 2008, summarizes an independent review of the WTP Project's effort to resolve the EFRT issue M12, *Undemonstrated Leaching Process*. The review evaluated the adequacy of available data, test plans, and testing results to support issue resolution for the WTP and focused on the PEP test plan and work to resolve EFRT issues M1 (*Plugging in Process Piping*) and M3 (*Inadequate Mixing System*). Primary comments included emphasis on the need to be cautious using a limited set of test results to extrapolate mission performance, the need to finalize test and

acceptance criteria, and emphasis on addressing rheology in the simulant. ORP and BNI staff are preparing a response to the CRESP report.

BNI and the evaporator fabricator have spent several months performing coupled analysis of the evaporators and concluded that overstress conditions in the evaporator shells cannot be eliminated without making modifications to the separator vessels. As a result, rework may be required on the vessels and would result in a cost increase and schedule delay. The impacts include four evaporators, e.g., three for removing excess water and one for recovering nitric acid as part of the Cesium Removal Process System. The final calculation was received from the vendor and alternatives for resolving the issue are currently being evaluated by BNI and the evaporator vendor along with a plan to mitigate the overstressed condition and develop a path forward.

The panel of corrosion experts, referred to as the "Blue Ribbon Panel," have assessed the materials planned for use in the WTP Pretreatment Ultrafiltration Process System (UFP) vessels. Preliminary conclusions indicate that the process should be limited to 90°C or below if the current stainless steel vessels are used. Operations at the required 100°C would require a vessel material of construction switch to Hastelloy. The panel also raised concerns about the approach to heat the vessels with steam sparging and vessel internal supports welded to the vessel wall. BNI briefed the Senior Management Integration Team at the end of May and laid out a high-level plan to determine what steps are needed to close this issue. BNI has concluded that the PEP can be operated at 100°C because the PEP is robust enough to resist corrosion throughout its expected life. They also developed a modeling plan that will allow them to compare a number of different operating and physical parameters that could resolve the concern. They expect to complete the modeling before the end of the month and to be in a position to decide if Hastelloy will be substituted for the effected vessels or not. The need for additional testing will also be evaluated and may be included in the plan by the first of July.

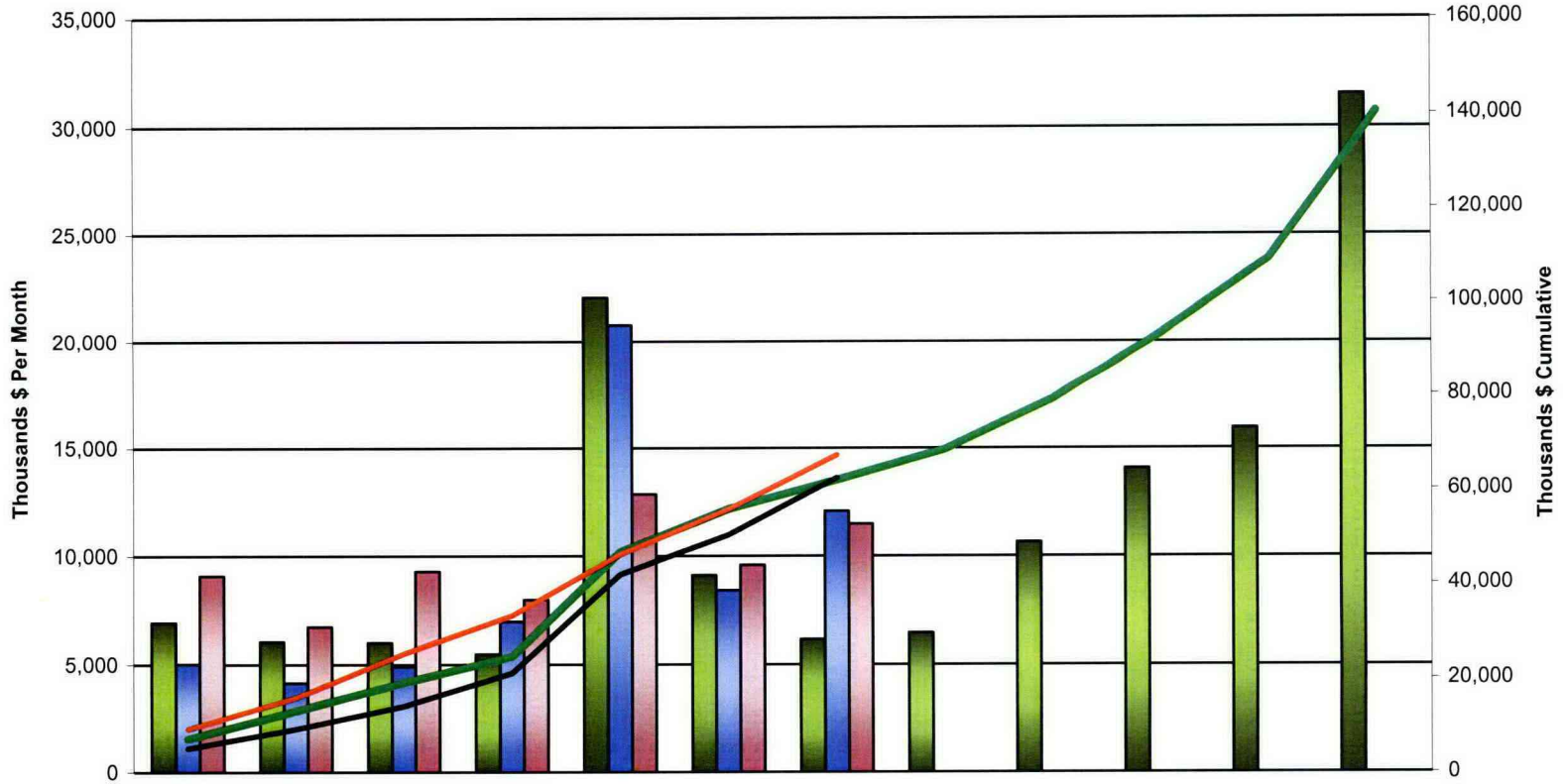
Construction forces placed concrete for two ring beams (12 cubic yards [cy]) at 0' elevation and three slabs (109 cy) at the 28' elevation. Work continues on beam seat installation for the ceiling beams (56' elevation) in the cooling water pump room. At the 28' elevation, embeds are being placed in two slabs and concrete will be placed in two other slabs. At the 56' elevation, crews are installing embeds for slabs on the north side of the building. Sleeves and/or embeds are being installed on walls at the west end of the PT facility between elevations 56' and 77'. Crews continue to install drain piping on the 0' and 28' elevations on the south side of the facility and prepare walls for coating applications on the north side of the building at 0' elevation.

Ironworkers are doing layout of embeds on the fourth-lift walls in the layout area that is located west of the facility. These will be installed at the southwest corner of the 56' elevation. Ironworkers are also installing the top rebar mat on two slabs at the 28' elevation on the facility's south side. Construction crews continue to install tank vessel support rings for vessels UFP-01A, UFP-2B, and HLP-27B. Construction also began on wall coating preparation in the spent filter tunnel. Five vessel ring beams (UFP-VSL- 2A and -2B; HLP-VSL-22 and 27A; PJV-VSL-02) are complete and ready for grout; the ring beam for vessel PVP-SCB-02 is ready for installation of grillage. BNI craft have removed the majority of the hot cell crane rail support beams from their installed location on the wall of the hot cell. This is being accomplished to facilitate re-inspection of the welds on the beams and beam seats.

The following table provides a status of near-term gatepost milestones for the PT Facility.

	Milestone	Scheduled	Projected
Pre-Treatment Facility	Approve PJM Miltiple Overblow Final Report	6/07	5/08
	EFRT Recommendation M2, Perform Submerged Jet Test	6/07	8/08
	Issue Structural Summary Report	2/08	2/08 A
	Issue Committed Design for Cesium Resin Addition Process System	3/08	3/08A
	Issue Committed Design for Waste Feed Evaporation Process System	3/08	3/08A
	Issue Committed Design for Anti-Foam, Sodium Permanganate and Strontium Nitrate Regeant Systems	4/08	4/08
	Complete Installation of all Major Steel up to 28' elevation	5/08	4/08
	Prepare 2008 Preliminary Safety Analysis Report (PSAR) Update	5/08	3/08A
	Issue Jumper Design for Planning Area 25	7/08	7/08
	Receive Final Multiple Overblow Load Specification	7/08	7/08

Pretreatment
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	6,935	6,054	6,010	5,475	22,025	9,118	6,159	6,448	10,675	14,056	15,927	31,502
Mthly Perf (BCWP)	5,028	4,153	4,908	6,993	20,744	8,410	12,095					
Mthly Actuals (ACWP)	9,100	6,756	9,297	7,989	12,875	9,589	11,510					
FYTD Plan (BCWS)	6,935	12,990	19,000	24,475	46,500	55,617	61,776	68,224	78,900	92,956	108,882	140,385
FYTD Perf (BCWP)	5,028	9,182	14,090	21,083	41,827	50,237	62,332					
FYTD Actuals (ACWP)	9,100	15,856	25,153	33,142	46,017	55,606	67,116					

High-Level Waste (HLW) Facility

The HLW Facility is performing construction mostly in the area of placement of walls, slabs and installation of structural steel above the 0' elevation. The number of construction manual craft has increased to 165. Overall facility is 38% complete, with design 85% and construction 26% complete.

Construction forces placed 250 cy of concrete for 0' to 14' elevation walls around the melter cave using the newly purchased long reach (> 200 ft reach) concrete pumping truck. It worked flawlessly and will be of significant help to place concrete in the HLW and PT Facilities. Construction forces also placed an additional 540 cy of concrete for wall 1120 (canister handling cave), 1117, and 1116A at the west side of pour cave #2. Crews continue to install forms for wall 1113 (melter cave 2 west wall); install commodities for walls 1118, 1123, 1125, 1130, 1131, and 1139 at the 0' elevation. Welding of beam clips and structural steel for slabs 2013 and 2014 also continues. At the +14' elevation, crews continue to install decking, rebar, and slab commodities for the filter cave crane maintenance room and for slabs 2001, 2002, and 2003 for the annex at the west end of the facility. At the -21' elevation, crews continue installing cable tray components and conduit, Non-Radioactive Liquid Waste Disposal System piping, fire water piping, heating, ventilation, and air conditioning (HVAC) ducting, Melter Off-gas Treatment Process System pipe, and bogie rails in the drum transfer tunnel.

Black cell and hard-to-reach piping spools lists for both "Q" and CM piping in the HLW and PT Facilities have been under review for the requirements compliance issues. Engineering also issued 131 piping isometric drawings; embedded raceway layout drawings for the 14' elevation to support near-term concrete placements; environmental quality datasheets for the HLW wall liners and lights; and material requisitions for commercial material adjustable speed drives. Vendor submittals for the AutoSampling System and HLW Filter Cave Handling crane have been reviewed. In addition, review of the Oregon Iron Works Factory Acceptance Test procedure for the C2/C3 shield doors for the HLW Melter Handling System has been completed.

In response to DOE concerns for lack of performance of engineering, BNI has provided a list of items they are looking at for improvements including development of a new integrated equipment procurement organization, simplification of the procurement process, and a logic-tied resource loaded schedule incorporating all emerging activities to track and monitor progress.

A white paper is being developed jointly by BNI, DOE, and the DOE Peer Review Team to summarize the approach used for the qualification of the structural frame primary members to resist loads resulting from the secondary members subjected to the effects of a fire.. This paper

will be presented to the Defense Nuclear Facilities Safety Board (DNFSB) staff for closure of this issue. In October 2005, the DNFSB agreed with the overall strategy and wanted to review the detailed approach and calculations that demonstrated that unprotected structural members with reduced material properties due to a fire would not be relied upon to support the building.

ORP has rejected BNI's Authorization Basis Amendment Request (ABAR) Tailoring of DOE-STD-1066-97, Fire Protection Design Criteria, Section 14, Nuclear Filter Plenum Protection. The rejection was based on a hazard analysis that determined there was insufficient technical controls for conditions resulting from addressing embers, smoke/soot, exposure fire, and heated air impacts on the final C5/offgas/vessel vent high efficiency particulate air (HEPA) filters in the HLW and PT Facilities. ORP is working with BNI to develop a path forward to complete the analysis and has requested that BNI provide justification to allow continued design and procurement while the ABAR is revised, reviewed, and approved by ORP.

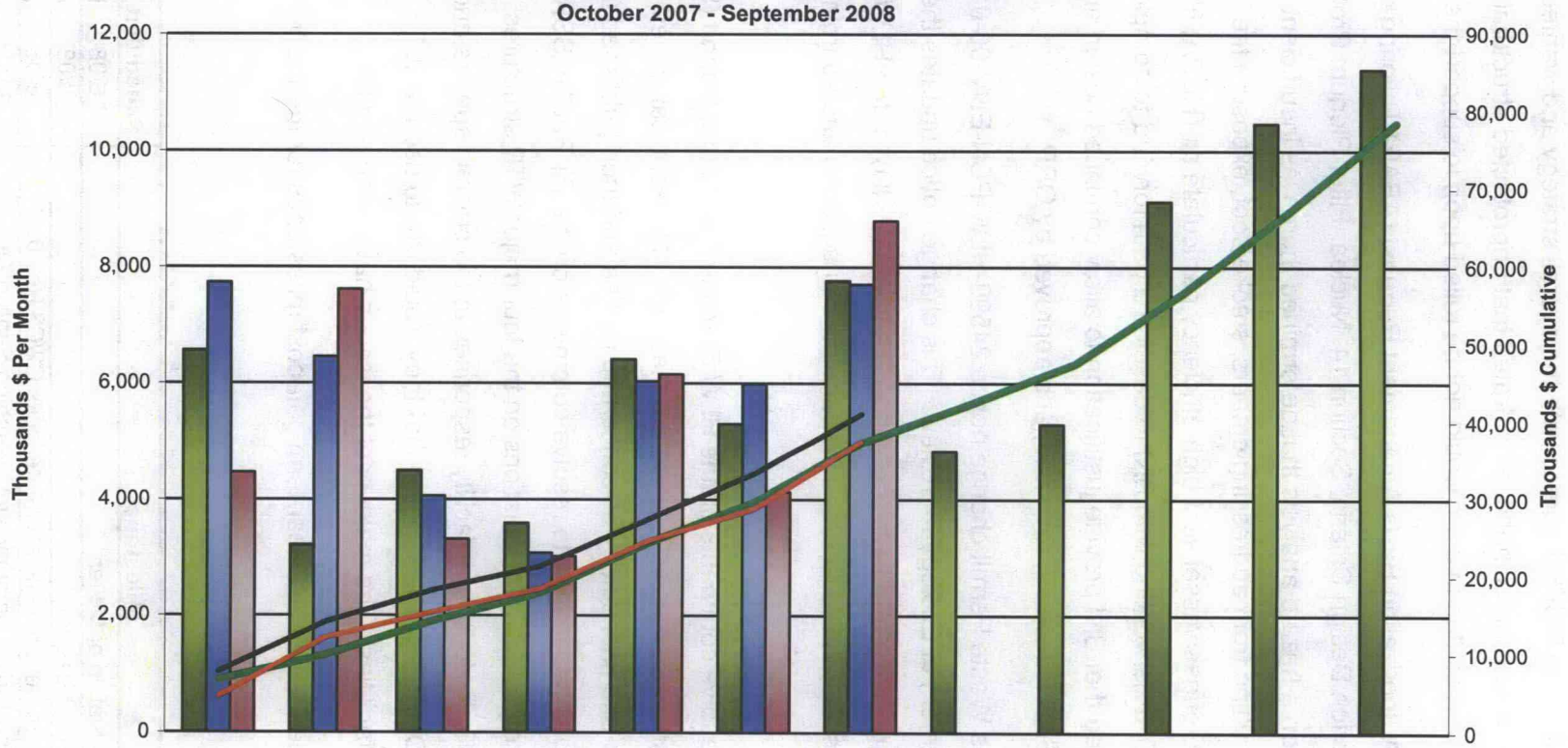
ORP delivered Dangerous Waste Permit change notice 24590-HLW-PCN-ENV-06-017 to the Washington State Department of Ecology for review. This change notice updates the High-level Waste Vitrification Building Piping and Instrumentation Diagrams (P&ID) for the HLW Melter Feed Process System vessels and melter feed preparation and agitation and sparging components.

DNFSB and BNI met to resolve comments on the HLW Summary Structural Report (SSR). Over 90% of the comments were resolved during the meetings. No technical issues remain; the report will be subjected to one final edit by all concerned parties and then published in May 2008. A meeting is also planned in May to resolve comments on the PT Facility SSR and to comments made to the fire protection calculations on the four major WTP structures. A primary objective of these reports is to document facility responses to the seismic spectra and ensure the design is adequate. DNFSB has also noted that they would like to use the WTP SSRs as standards for other DOE facilities. The majority of the issues have been resolved.

The following table provides a status of near-term gatepost milestones for the HLW Facility:

	Milestone	Scheduled	Projected
High Level Waste	Preliminary RGM Evaluation of Melter	6/08	6/08
	RGM Evaluation of RLD Vessels	8/08	7/08
	Safety Systems Requirement Specification-Interlocks C2/C3 Rev.0	8/08	8/08
	Issued for Construction-Piping Isometrics for Breathing Service Air	11/08	9/08
	Erect Structural Steel & Decking Slab 2002 (+14')	9/08	5/08
	Place Elevated Slab 2001 (+14') Annex	12/08	5/08

High Level Waste
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	6,569	3,208	4,498	3,594	6,415	5,310	7,772	4,836	5,305	9,127	10,474	11,390
Mthly Perf (BCWP)	7,740	6,457	4,060	3,074	6,030	5,991	7,709					
Mthly Actuals (ACWP)	4,466	7,623	3,309	3,015	6,156	4,132	8,786					
FYTD Plan (BCWS)	6,569	9,777	14,275	17,869	24,284	29,594	37,366	42,202	47,507	56,634	67,107	78,497
FYTD Perf (BCWP)	7,740	14,197	18,257	21,331	27,362	33,353	41,061					
FYTD Actuals (ACWP)	4,466	12,089	15,399	18,413	24,569	28,701	37,487					

Low-Activity Waste (LAW) Facility

The LAW Facility will vitrify low-activity waste from the Pretreatment Facility. Waste will be mixed with glass formers, vitrified into glass at an average daily rate of 30 metric tons, and placed in stainless steel containers that will be disposed onsite in the Integrated Disposal Facility. Overall facility percent complete is 56%, design is 95% and construction is 59%.

The critical path for LAW continues to be associated with the procurement and installation of the off-gas treatment unit operation components including the Thermal Catalytic Oxidizer (TCO). The forecast schedule indicates a potential six-month delay to the milestone for construction completion; however, BNI has not investigated all of the potential mitigation actions. BNI has been providing many types of assistance to the fabricator of the TCO including project management, special welding, buying and quality expertise.

Construction forces achieved the gatepost milestone to complete installation of roof steel and interior crane maintenance platforms for the export bay. The export bay bridge crane was set and the structural steel beams have been installed.

Construction forces are installing lightning protection on the roof. Crews completed epoxy floor coatings on a large area on the +48' elevation northeast corner and on half the concrete floor over the Process Cells 1 and 2 on the +28 elevation. Installation of the structural tube members in the elevator shaft was completed. Crews continue to install melter rail on the +3' elevation. Crews also continue to install grillage clips for the attachment of insulation in the pour caves on the -21' elevation and partition walls; piping and coating supports on the -21', +3', +28', and +48' elevations; cable tray and electrical conduit -21', +3', and +28' elevations; and ductwork on the +48' elevation. Fireproofing repairs on the +3' and +28' elevations are ongoing. Installation of roofing on the annex is proceeding. Installation of the offgas piping from the stack connection to the caustic scrubber continues.

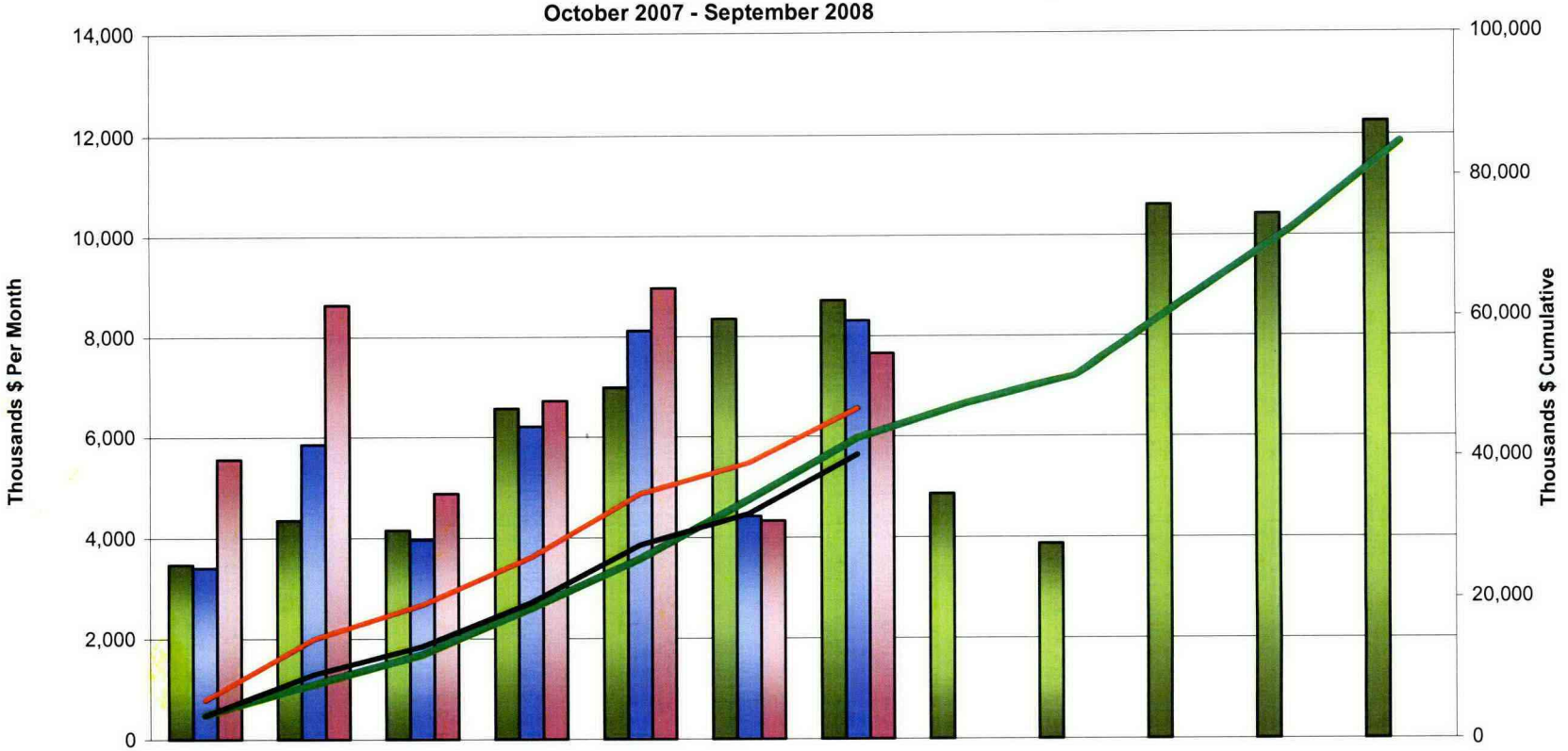
ORP completed its surveillance of the ongoing fire alarm and fire sprinkler system installations in the LAW Facility. The purpose of the surveillance is to review the installation for compliance with applicable National Fire Protection Association (NFPA) requirements specified by the project. Results of the surveillance indicate the LAW Facility fire alarm system design is compliant with NFPA requirements. However, major fire alarm system components have yet to be installed in the LAW Facility due to the current construction status of the project. In addition, a comprehensive wet-pipe fire sprinkler and standpipe system is being designed and installed

through the facility in the areas expected by DOE. However, the LAW fire sprinkler system installation has not been completed because plant equipment commodities have not been installed or completed as necessary to install the final levels of the fire sprinkler system. ORP will follow up in future reviews to verify continual contractor progress.

The following table depicts near-term gatepost milestones for the LAW Facility.

	Milestone	Scheduled	Projected
Low Activity Waste	Complete C2 Fan Room Slab	1/08	2/08 A
	Install 22,500 lf of Pipe, All Elevations	2/08	2/08 A
	Install Partition Walls, Elevation -21	4/08	3/08A
	Complete Export Bay Structural Steel	5/08	5/08A
	Deliver Remaining Process Bulges	6/08	6/08
	Annex Facillity "Closed In"	7/08	6/08
	Civil/Structural Design Complete	9/08	7/08
	Electrical Design Complete	9/08	7/08
	Complete Remaining Iso Design	12/08	8/08
	Deliver Melter #1 Base	12/08	11/08

Low Activity Waste
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	3,471	4,358	4,163	6,565	6,976	8,351	8,707	4,868	3,875	10,620	10,426	12,262
Mthly Perf (BCWP)	3,408	5,851	3,964	6,207	8,115	4,426	8,309					
Mthly Actuals (ACWP)	5,554	8,632	4,887	6,713	8,973	4,339	7,654					
FYTD Plan (BCWS)	3,471	7,830	11,993	18,558	25,533	33,885	42,592	47,460	51,335	61,955	72,381	84,643
FYTD Perf (BCWP)	3,408	9,259	13,224	19,431	27,546	31,972	40,281					
FYTD Actuals (ACWP)	5,554	14,186	19,073	25,786	34,759	39,098	46,751					

Analytical Laboratory (LAB)

The LAB Facility will support WTP operations by analyzing feed, vitrified waste and effluent streams. Overall facility complete for LAB is 34%, design is 91% and construction is 53%.

The lower section of structural steel on the LAB exhaust stack was removed from the LAB earlier this month to finish its construction and to allow installation of the exhaust ducts. The subcontractor completed leak testing the C-2, C-3, and C-5 ducts and construction crews placed the C-3 duct inside the stack's structural steel on May 28, 2008. Installation of the remainder of the structural steel and ductwork is continuing. Abrasive blasting and coating of the remaining stack structural connections will resume. The estimated date of final stack erection is July 10, 2008.

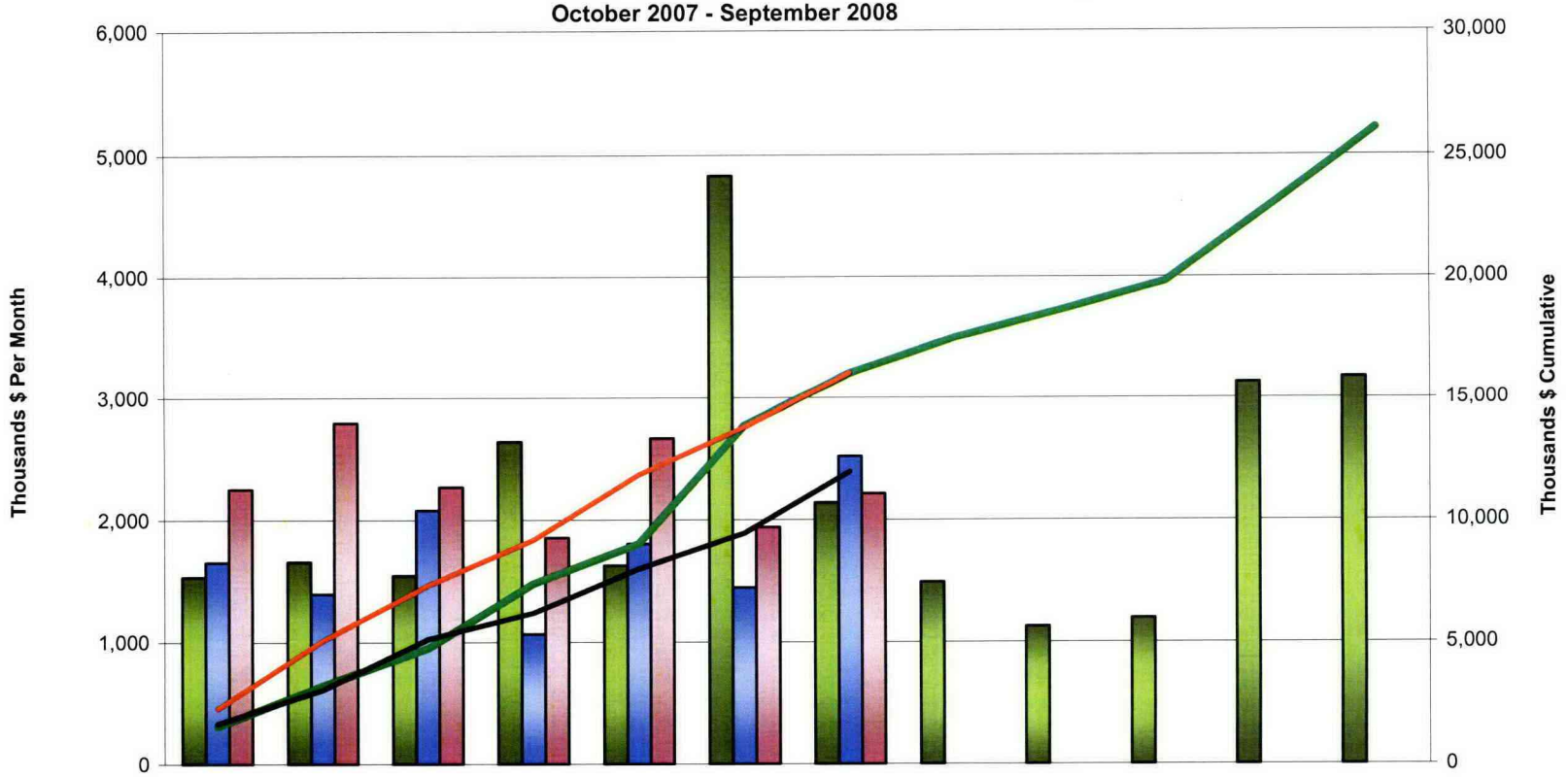
Crews completed installation of the three south-side ventilation intake louvers. Crews also completed welding the platform stand for the decontamination glovebox located in the radiological maintenance room. Installation of the sprinkler piping at the northeast corner on the 17' elevation was also completed.

Engineering reviewed and released 87 HVAC supports for the subcontractor that is installing the commercial grade HVAC in the LAB. Installation of hangers for C-2 and C-3 ducting in the north center area continues along with installation of hot cell partition walls and liner plate, multi-commodity steel, permanent lighting conduit, and pipe hangers. Other construction activities included installation of interior partition walls in planning area 23 and coatings in planning areas 22, 24 and 32.

The following table depicts near-term gatepost milestones for the LAB.

Analytical Laboratory	Milestone	Scheduled	Projected
	Complete Structural Steel Frame	11/07	10/07 A
	Complete Instrument Database	1/08	4/08 A
	Issue Final C&I Conduit Design	4/08	4/08 A
	Deliver Master Slave Manipulators	4/08	11/08
	Complete Structural Steel Fireproofing	5/08	5/08 A
	Complete Laser Ablation Site Accept Testing	7/08	7/08

Analytical Laboratory
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	1,534	1,659	1,545	2,643	1,627	4,834	2,139	1,491	1,124	1,195	3,129	3,169
Mthly Perf (BCWP)	1,654	1,395	2,079	1,066	1,804	1,446	2,520					
Mthly Actuals (ACWP)	2,253	2,796	2,269	1,854	2,667	1,938	2,216					
FYTD Plan (BCWS)	1,534	3,194	4,739	7,381	9,008	13,842	15,980	17,471	18,595	19,790	22,919	26,089
FYTD Perf (BCWP)	1,654	3,049	5,127	6,193	7,997	9,443	11,963					
FYTD Actuals (ACWP)	2,253	5,049	7,317	9,171	11,838	13,776	15,992					

Balance of Facilities (BOF)

The (BOF) provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. Overall facility percent complete for BOF is 51%, design/engineering 77% percent complete and construction is 61% percent complete.

During May, construction forces placed 100 yards of control density fill (CDF) under the important-to-safety (ITS) duct bank as part of backfilling the Liquid Effluent Receipt Facility (LERF) radiological lines north of the PT Facility and lines on the north side of the Pretreatment and rectifier 6B on the south side of the LAB. Two thermal air stripper tanks were also set into place at the Non-Radioactive Liquid Waste Disposal (NLD).

Crews at the Chiller Compressor Plant installed temporary power to the building's lighting transformer and the lighting panels were energized for the first time. Electrical cable is being pulled from the motor controllers to the Plant Service Air System (PSA) compressors and installation of small and large bore piping is progressing. Construction forces at the Glass Former Facility continue to grout the silo bases, with three of the seven silos completed. Crews also continue to grout the bases and install ladders and guardrails for the silos.

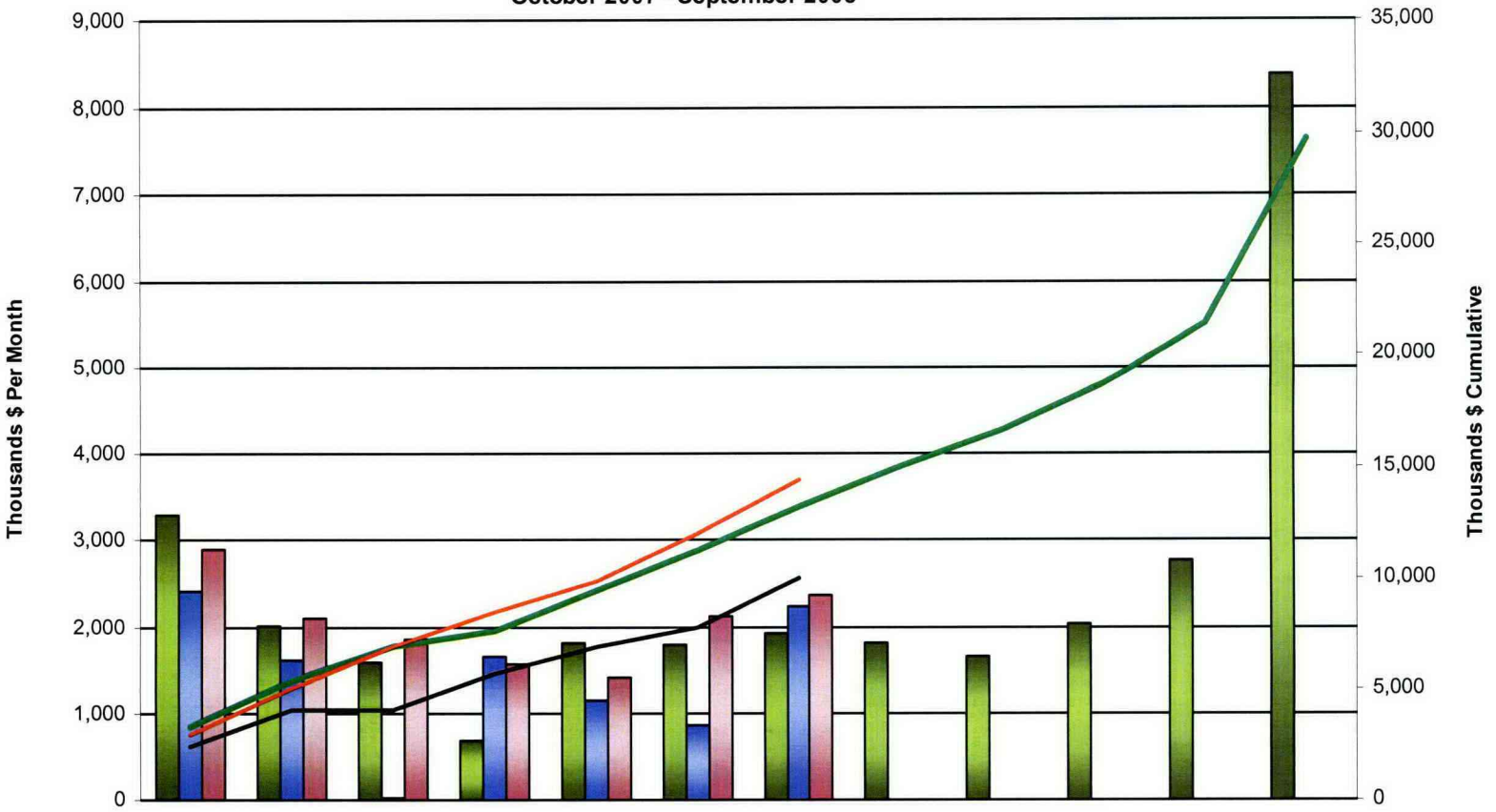
Work on the Fire Service Water Storage & Distribution System lines is continuing as crews prepare to begin backfilling and placed the concrete for the ITS Plant Service Air System (PSA) vault walls. Pressure testing the portion of the Fire Service Water Storage & Distribution System piping between the PT and HLW Facilities was also completed. Construction forces placed a thrust block on the Fire Service Water Storage & Distribution System line at the HLW Facility.

On the south side of the PT Facility, crews continue to coat and install cushioning material and temporary power for the cathodic protection system on the radioactive transfer lines. A trench is also being excavated to install the lines. To support the excavation, crews constructed a new haul route west of the west side PT Facility pipe modules.

The following table depicts near-term gatepost milestones for the BOF.

	Milestone	Scheduled	Projected
Balance of Facilities	Deliver GFSF Bins, Silos and Steel	5/07	6/08
	Complete GFSF Silo/Tanks (17) Sets	5/07	9/08
	Issue Rack #5A Pipe Fab Isometrics	5/08	5/08 A
	Complete LAW Melter Slab	6/08	1/08 A
	Complete Steam Plant Construction	9/08	6/08
	Complete LAW Melter Slab	6/08	1/08 A

Balance of Facilities
Fiscal Year to Date Performance ($ In Thousands)
October 2007 - September 2008



	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
Mthly Plan (BCWS)	3,305	2,005	1,587	676	1,819	1,792	1,934	1,815	1,663	2,037	2,768	8,387
Mthly Perf (BCWP)	2,408	1,619	20	1,663	1,145	861	2,224					
Mthly Actuals (ACWP)	2,904	2,102	1,854	1,564	1,406	2,128	2,366					
FYTD Plan (BCWS)	3,305	5,311	6,898	7,574	9,393	11,185	13,119	14,934	16,597	18,634	21,402	29,789
FYTD Perf (BCWP)	2,408	4,028	4,048	5,711	6,856	7,717	9,941					
FYTD Actuals (ACWP)	2,904	5,006	6,860	8,424	9,830	11,958	14,324					

Waste Treatment Plant Project - Percent Complete Status
through April 2008

(Hrs - Thousands)	Overall Facility Percent Complete			Design/Engineering			Construction		
					Total Hours Earned to Date			Total Hours Earned to Date	
Facilities	Budget at Completion	Budgeted Cost of Work Performed	% Complete	Current Budget	Hours	% Complete	Current Budget	Hours	% Complete
Low-Activity Waste	5,648	3,169	56%	1,579	1,505	95%	2,581	1,532	59%
Analytical Lab	2,696	905	34%	481	439	91%	689	367	53%
Balance of Facilities	3,865	1,989	51%	775	600	77%	2,131	1,310	61%
High-Level Waste	9,786	3,752	38%	2,538	2,154	85%	5,490	1,454	26%
Pretreatment	15,119	5,698	38%	4,382	3,050	70%	8,541	2,449	29%
Plant Wide/Gen Services	30,384	13,715	45%	6,543	4,692	72%	14,185	5,531	39%
Total WTP	67,498	29,228	43%	16,298	12,440	76%	33,617	12,643	38%

Calculations and Source Data:

All calculations performed using hours in thousands

Overall Percent Complete - Budgeted Cost of Work Performed (BCWP) divided by Baseline at Completion; Source: WTP Contract Performance Report

Design/Engineering Complete - Current Budgeted Hours divided by Actual Earned Hours; Source: Engineering Progress & Performance by Facility/Discipline Report

Construction Percent Complete - Sum of Performance Budget divided by Hours Earned To Date; Source: Monthly Quantity and Unit Rate Summary Report

WTP COMMODITY SUMMARY BY FACILITY											
		PT		HLW		LAW		LAB		BOF	
Commodity	UOM	Qty	Pct	Qty	Pct	Qty	Pct	Qty	PCT	Qty	Pct
Concrete	1000 CY	78.41	69.32%	46.94	54.09%	26.28	92.12%	11.64	95.54%	11.75	62.12%
Structural Steel	1 Ton	3,273	20.43%	631	14.69%	5,458	88.62%	1,680	97.97%	306	19.68%
Pipe	1000 LF	36.97	6.92%	3.45	2.14%	54.06	56.28%	10.12	25.51%	20.72	42.44%
Cable Tray	1000 LF	0.35	0.92%	1.20	3.48%	12.4	81.20%	0.28	17.21%	2.60	59.91%
Conduit	1000 LF	17.95	6.34%	14.70	7.16%	30.46	18.02%	0.96	0.67%	20.77	50.01%
Cable & Wire	1000 LF	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	196.79	34.24%

Sign In Sheet
Monthly Milestone Review Meeting
June 24, 2008

NAME	ORG	MSIN	PHONE
LES FORT	ECY		372-7984
JJ Luke	CHG		
Dale Black	FH		376-0740
ROB BIPPO	FH/CH		3733285
Bob Lober	ORP		
JOHN LONG	ORP		376-5416
Ben Harp	ORP		376-1462
Ryan Trotta	ORP		376-4611
Steve Pfaff	ORP		438-0417
Jeff Lyon	ECY		372-7914
JOE CAGGIANO	ECY		372-7915
Nancy Uzenbacher	Ecology		372 7928
Ed Fredenburg	ECY		372-7998
Janet Diediker	ORP		372-3043
BRUCE NICOLL	ORP		438-0456
Howard Budweg	ORP		205-7338
Tracy Gao	Ecology		2-7901
DAVID BECKER	ECOLOGY		372-7990
Robbie Biyani	"		372-7884
Brian Speer	Ecology		372-7985
Gary Olsen	ORP		438-4707
Waheed Abdul	ORP		438-0455
Becky Wiegman	ORP		373-9443